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standard contents

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No. 2825] [VOL. 109
THE ARCHITECTURAL PRESS
9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1. *'Phone: Whitehall 0611*

Price 9d.

Registered as a Newspaper.

★ A glossary of abbreviations of Government Departments and Societies and Committees of all kinds, together with their full address and telephone numbers. The glossary is published in two parts—A to Ic one week, Ie to Z the next. In all cases where the town is not mentioned the word LONDON is implicit in the address.

AA	Architectural Association, 34/6, Bedford Square, W.C.1.	Museum 0974
AAI	Association of Art Institutions. Secy.: W. Marlborough Whitehead, "Dyneley," Castle Hill Avenue, Berkhampstead, Herts.	
ABS	Architects' Benevolent Society. 66, Portland Place, W.1.	Welbeck 5721
ABT	Association of Building Technicians. 5, Ashley Place, S.W.1.	Victoria 0447-8
ACGB	Arts Council of Great Britain. 4, St. James' Square, S.W.1.	Whitehall 9737
ADA	Aluminium Development Association. 33, Grosvenor Street, W.1.	Mayfair 7501/8
APRR	Association for Planning and Regional Reconstruction. 34, Gordon Square, W.C.1.	Euston 2158-9
ArchSA	Architectural Students' Association. School of Architecture, Manchester Municipal School of Art, All Saints, Manchester, 15.	Ardwick 3480
ARCUK	Architects' Registration Council. 68, Portland Place, W.1.	Welbeck 9738
ASB	Architectural Science Board of the Royal Institute of British Architects. 66, Portland Place, W.1.	Welbeck 5721
AScW	Association of Scientific Workers. 15, Half Moon Street, Piccadilly, W.1.	Grosvenor 4761
BAE	Board of Architectural Education. 66, Portland Place, W.1.	Welbeck 5721
BATC	Building Apprenticeship and Training Council. Lambeth Bridge House, S.E.1.	Reliance 7611, Ext. 1706
BC	Building Centre. 9, Conduit Street, W.1.	Mayfair 8641/6
BCC	British Colour Council. 28, Sackville Street, W.1.	Regent 3613
BCCF	British Cast Concrete Federation. 17, Amherst Road, Ealing, W.13.	Perivale 6869
BCIRA	British Cast Iron Research Association. Alvechurch, Birmingham.	Redditch 716
BDA	British Door Association. 43, George Street, Croydon	Croydon 5452
BEDA	British Electrical Development Association. 2, Savoy Hill, W.C.2.	Temple Bar 9434
BGC	British Gas Council. 1, Grosvenor Place, S.W.1.	Sloane 4554
BGF	British Gas Federation. 1, Grosvenor Place, S.W.1.	Sloane 8266
BIA	British Ironfounders' Association. 145, Vincent Street, Glasgow, C.2.	Glasgow Central 2891
BIAE	British Institute of Adult Education. 29, Tavistock Square, W.C.1.	Euston 5385
BID	Building Industries Distributors. 52, High Holborn, W.C.1.	Chancery 7772
BINC	Building Industries National Council. 11, Weymouth Street, W.1.	Langham 2785
BOT	Board of Trade. Millbank, S.W.1.	Whitehall 5140
BRS	Building Research Station. Bucknalls Lane, Watford	Garston 2246
BSA	Building Societies Association. 14, Park Street, W.1.	Mayfair 0515
BSI	British Standards Institution. 28, Victoria Street, S.W.1.	Abbey 3333
BTE	Building Trades Exhibition. 4, Vernon Place, W.C.1.	Holbron 8146/7
CABAS	City and Borough Architects Society. C/o Johnson Blackett, F.R.I.B.A., Borough Architect, Town Hall, Newport, Mon.	Newport 3111
CAS	County Architects Society. C/o A. Guy Chant, F.R.I.B.A. Salop County Council, 5, Belmont, Shrewsbury.	Shrewsbury 3031
CCA	Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1.	Sloane 5255
CDA	Copper Development Association. Kendals Hall, Radlett Herts.	Radlett 5616
CIAD	Central Institute of Art and Design. 41, 42, Dover Street, W.1.	Regent 3074
CIAM	Congrès Internationaux d'Architecture Moderne. Doldertal, 7. Zurich, Switzerland	
CID	Council of Industrial Design. Tilbury House, Petty France, S.W.1.	Whitehall 6322
CPC	Codes of Practice Committee. MOW, 42, Onslow Gardens, S.W.7.	Kensington 8161
CPRE	Council for the Preservation of Rural England. 4, Hobart Place, S.W.	Sloane 4280
CUJC	Coal Utilization Joint Council. 13, Grosvenor Gardens, London, S.W.1.	Victoria 1534
DIA	Design and Industries Association. 13, Suffolk Street, S.W.1.	Whitehall 0540
DOT	Department of Overseas Trade. 35, Old Queen Street, S.W.1.	Victoria 9040
EC	Electricity Commission. Savoy Court, Strand, W.C.2.	Temple Bar 7565
EJMA	English Joinery Manufacturers Association (Incorporated). Sackville House, 40, Piccadilly, W.1.	Regent 4448
EPNS	English Place-Name Society. 7, Selwyn Gardens, Cambridge.	
FAS	Faculty of Architects and Surveyors. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
FB 1951	Festival of Britain 1951. 2, Savoy Court, Strand, W.C.2.	Waterloo 1951
FASSC	Federation of Association of Specialists and Sub Contractors. 21, Tothill Street, S.W.1.	Whitehall 9606
FBI	Federation of British Industries. 21, Tothill Street, S.W.1.	Whitehall 6711
FC	Forestry Commission. 25, Savile Row, W.1.	
FCMI	Federation of Coated Macadam Industries. 37, Chester Square, S.W.1.	Sloane 1002
FDMA	The Flush Door Manufacturers Association Ltd. Trowell, Nottingham.	Ilkeston 623
FLD	Friends of the Lake District. Pennington House, Nr. Ulverston, Lancs.	Ulverston 201
FMB	Federation of Master Builders. 26, Great Ormond Street, Holborn, W.C.1.	Chancery 7583
FRHB	Federation of Registered House Builders. 82, New Cavendish Street, W.1.	Langham 4041
FS (Eng.)	Faculty of Surveyors of England. 8, Buckingham Palace Gdns., S.W.1.	Sloane 2837
GG	Georgian Group. 27, Grosvenor Place, S.W.1.	Sloane 2844
HC	Housing Centre. 13, Suffolk Street, Pall Mall, S.W.1.	Whitehall 2881
IAAS	Incorporated Association of Architects and Surveyors. 75, Eaton Place, S.W.1.	Sloane 3158
ICE	Institution of Civil Engineers. Great George Street, S.W.1.	Whitehall 4577

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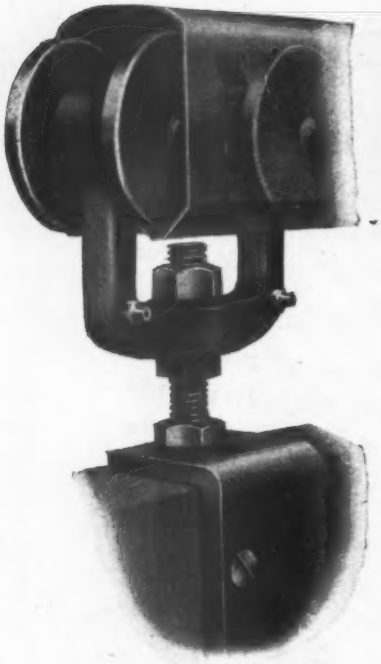
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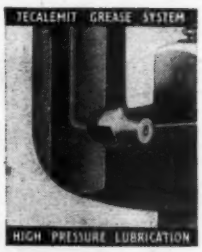




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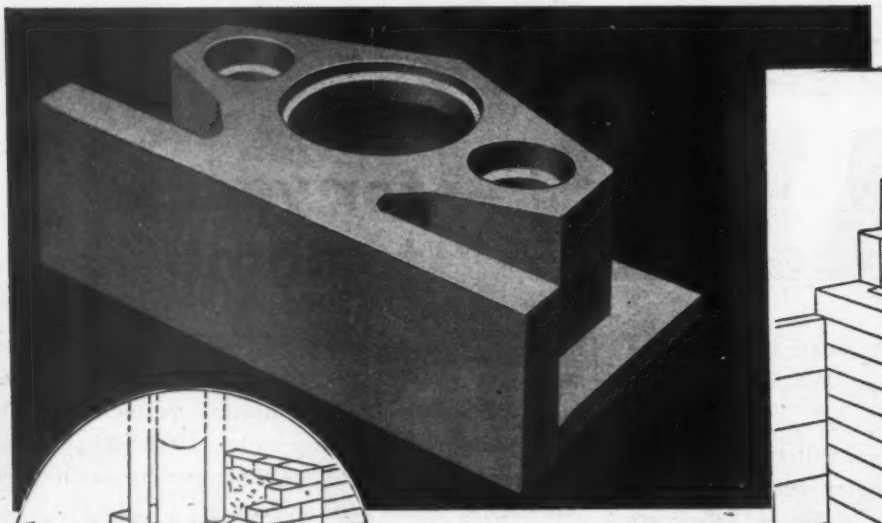
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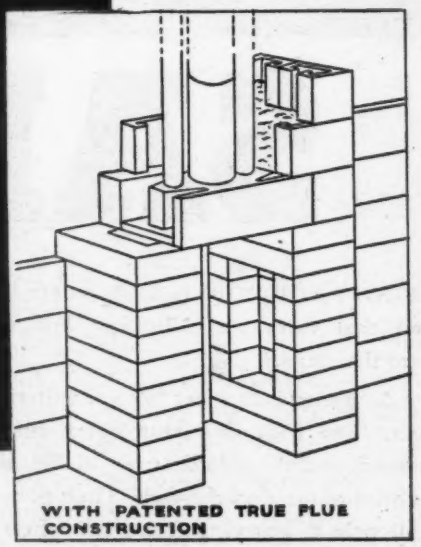
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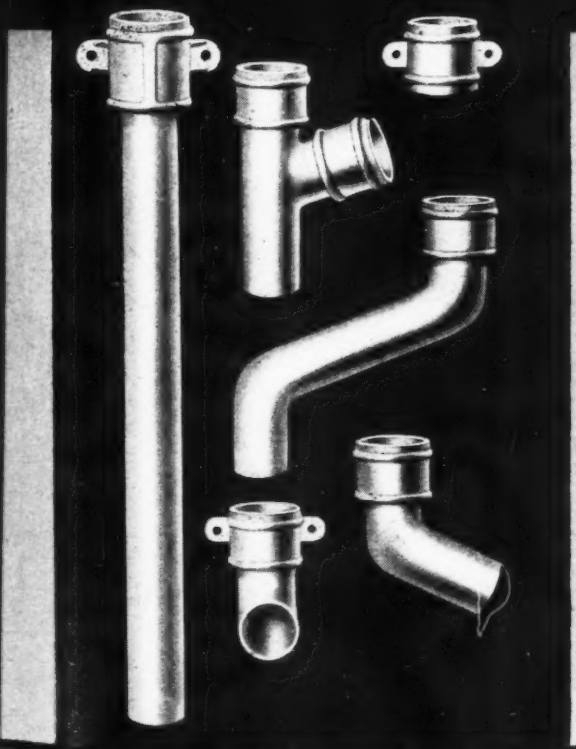
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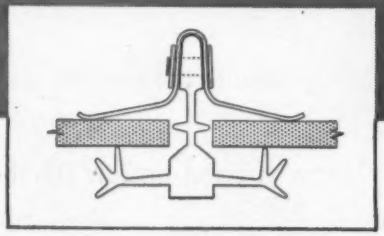
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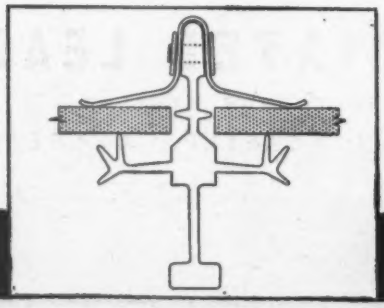
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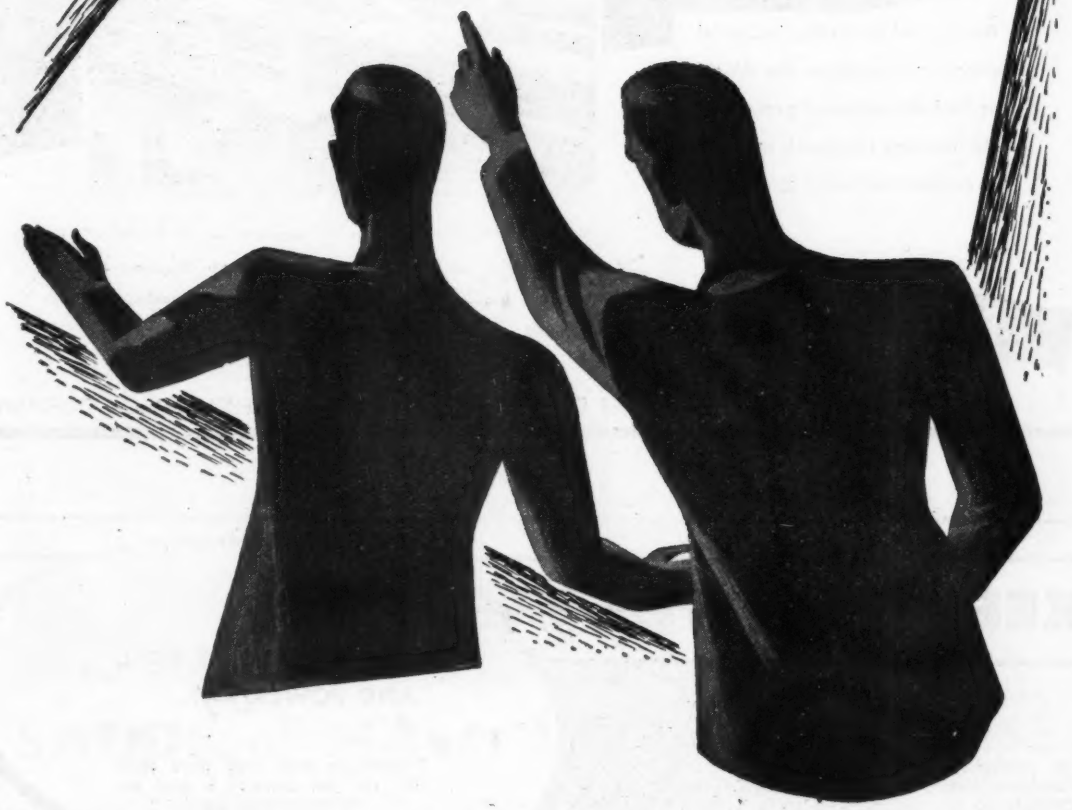


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KEEP HEAT INSIDE

THE MINISTRY OF FUEL AND POWER *Say...*

"Insulation may save more than half the fuel required to heat an un-insulated building."

"There is probably no single factor which may contribute to a greater saving of fuel used for heating buildings than the adequate use of insulation."

"The cost of a heating installation may be reduced by more than the cost of providing insulation."

"The aim of this Bulletin is to ensure that no building shall be erected in the future, without consideration being given to this very important matter (i.e. Insulation)."

Reproduced from the Ministry of Fuel and Power 'Fuel Efficiency Bulletin No. 12'



UN-INSULATED buildings, particularly of corrugated iron or asbestos construction, allow high heat loss and entail greater initial 'heat-up.'

The importance of fuel costs and conservation, plus the comfort and well being of workers during winter months, is of a priority nature today—and many leading manufacturers (who of necessity during the war years and since have extended with un-insulated buildings) are alive to the fact, and suitable 'insulation' is now in progress.

The business of W. F. Hollway & Brother Ltd. is handling much of this work and invites those interested to contact them for details and estimates.

W·F·HOLLWAY & BRO.,LTD.· 42 Grafton Street · LIVERPOOL 8



Left: *Recent reproduction of an elaborate Georgian Stair in a West End house.* Below: *Bottom of a stair in a small country house, showing unusual type of curtail step.*

Sadds, with their tradition of craftsmanship, can do justice to designs like these. At the same time, their works are equipped for economical production of long runs of staircases for housing schemes.

SADDS *of* MALDON *for* STAIRCASES

and for

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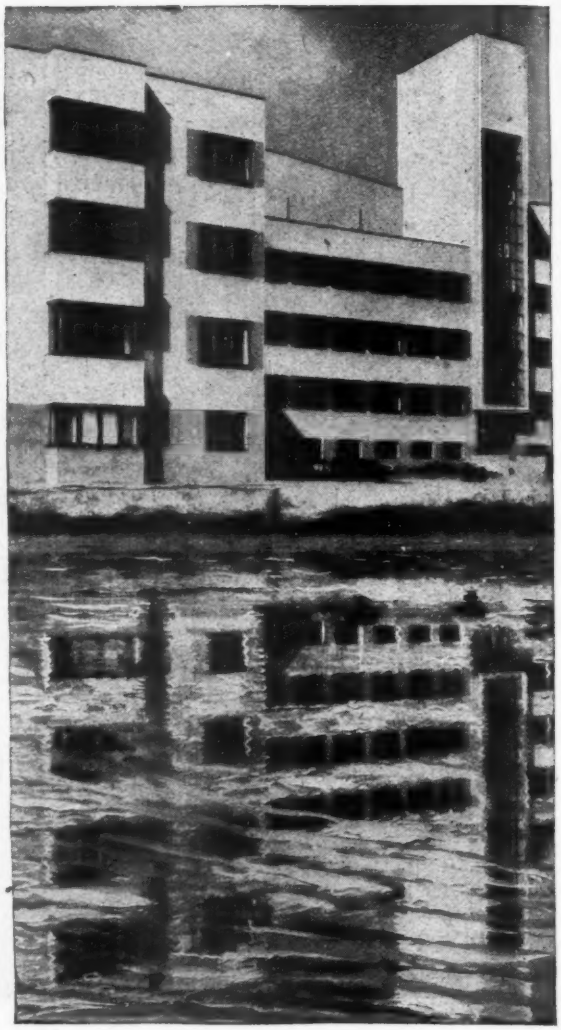
...even if you don't know what you want ... perhaps Mr Metsec knows the answer

With cold rolled steel, aluminium or other metals, the "Shapes of things to come" are almost limitless. All Mr. Metsec wants to know is what you have in mind — why not tell him, he can make it.



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★ *Descriptive literature is available on request to*
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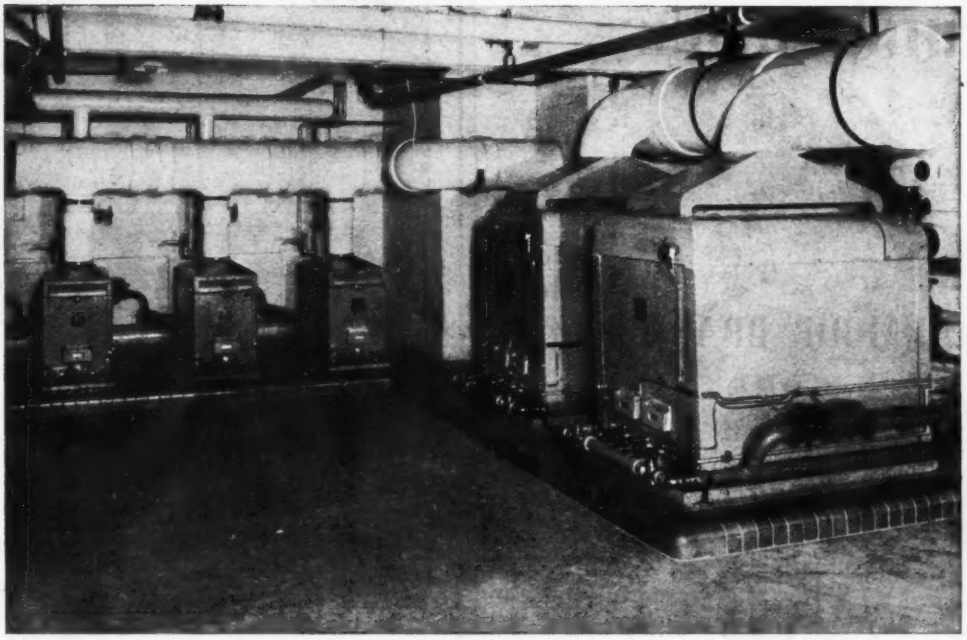


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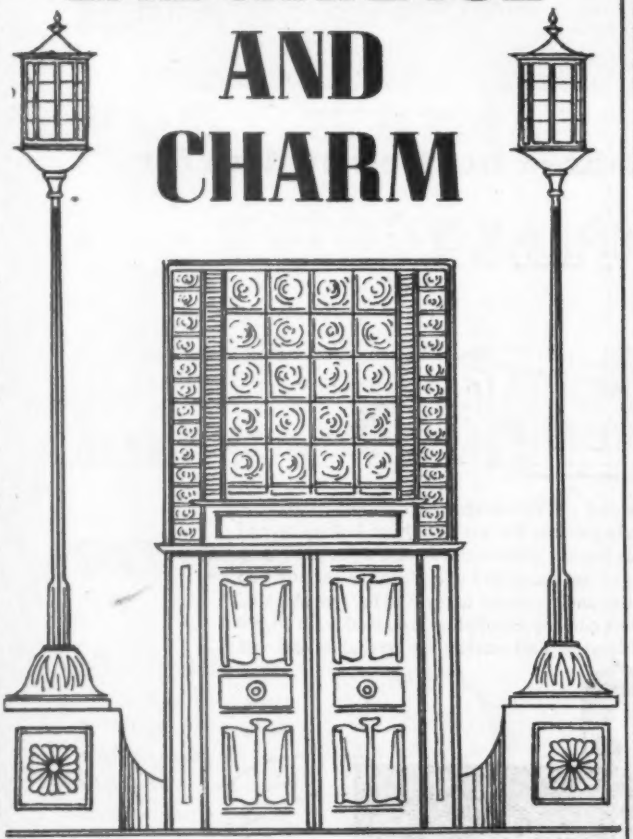
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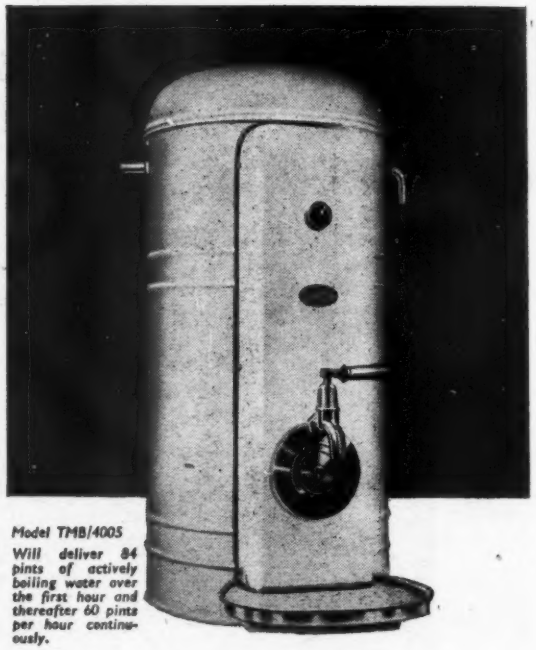


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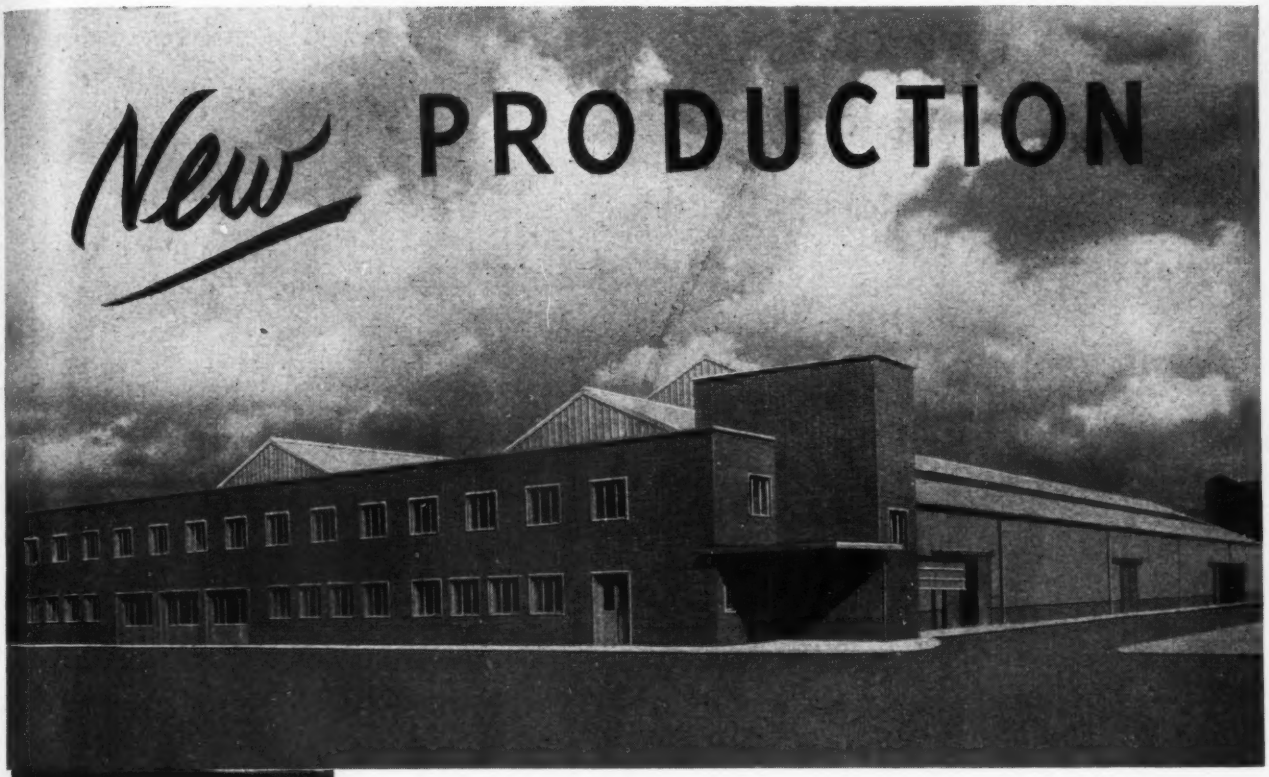
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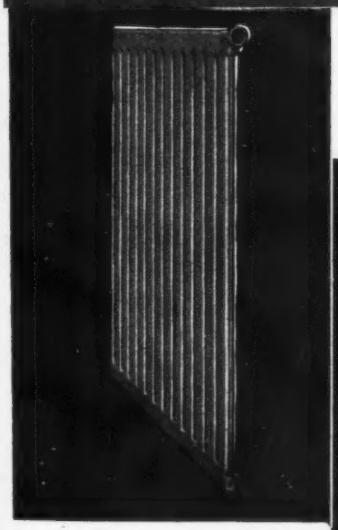
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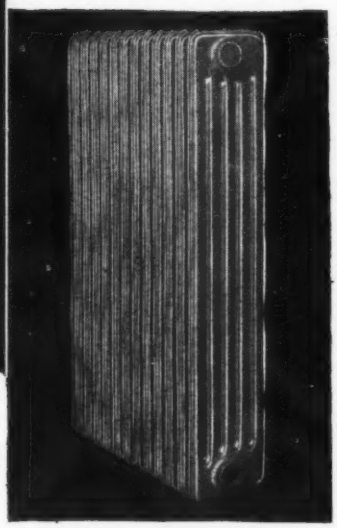
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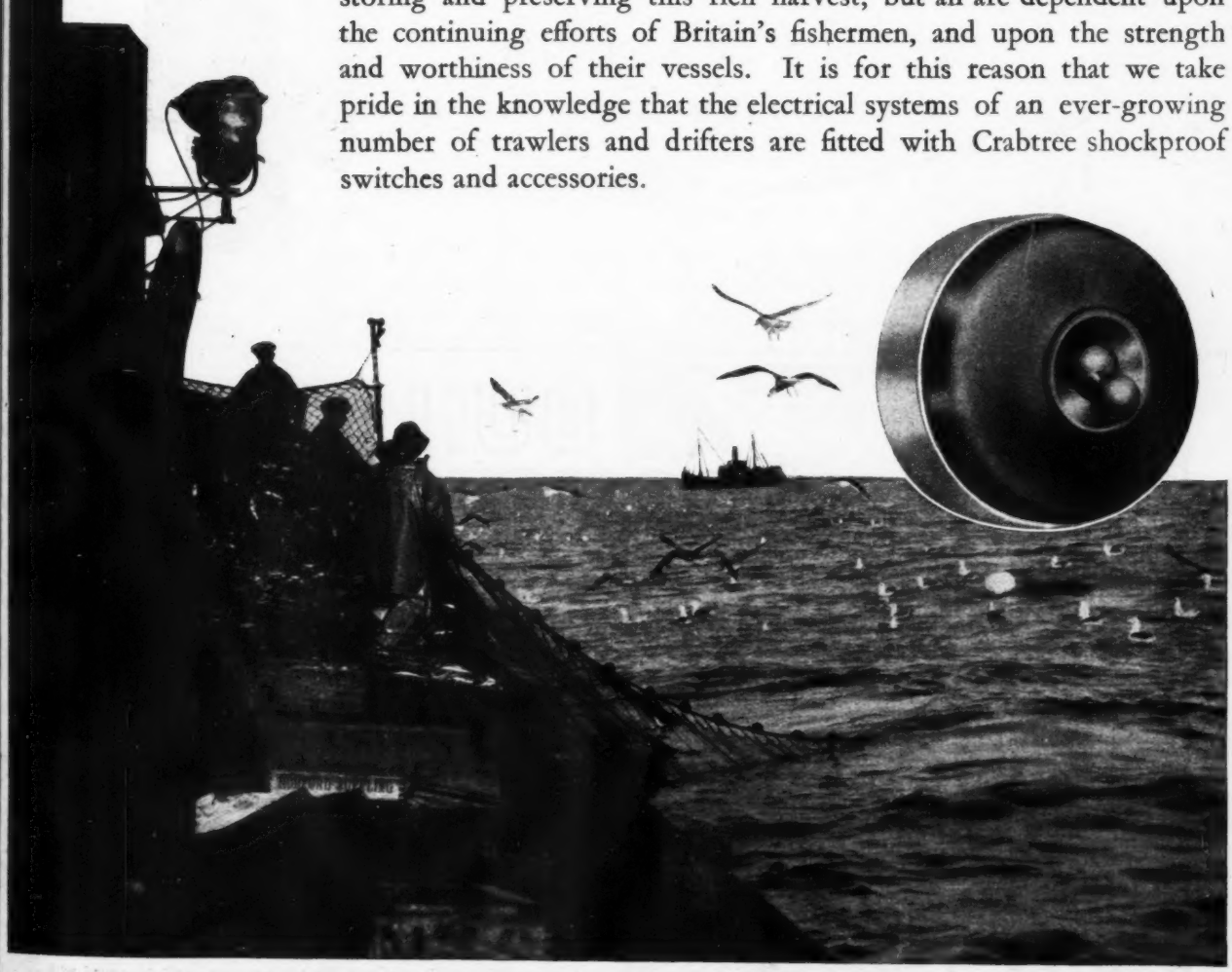
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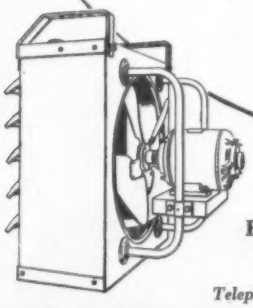
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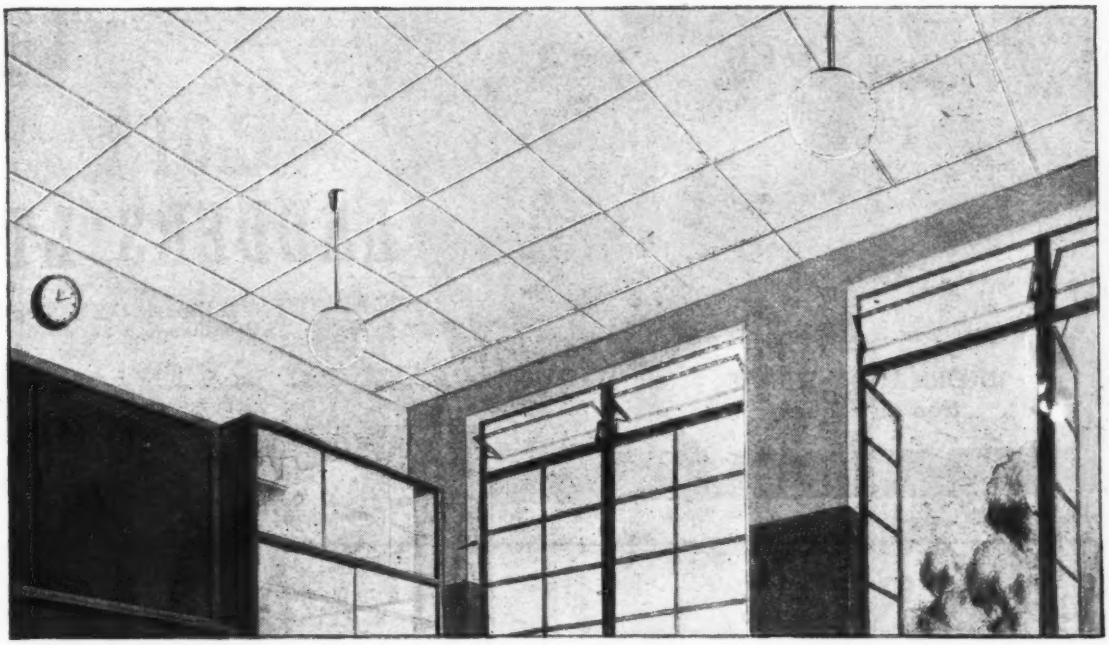
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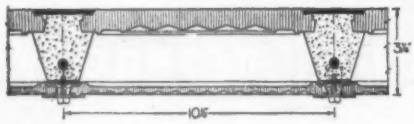
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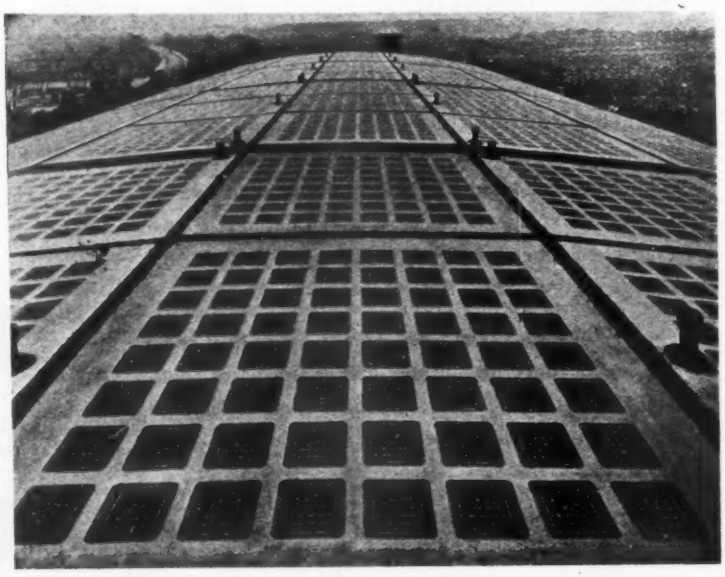
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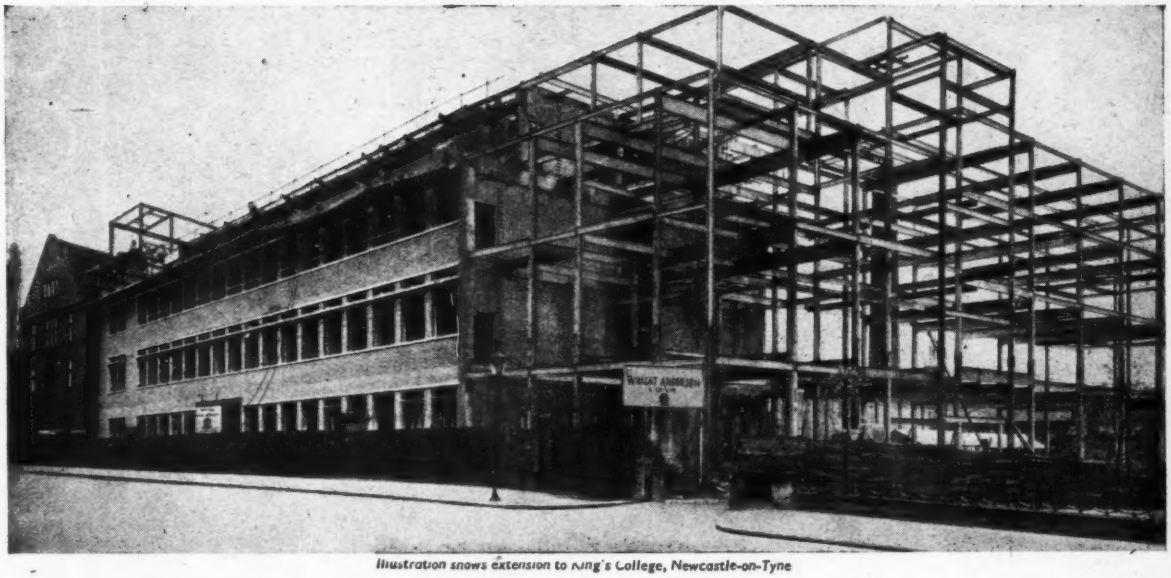


Illustration shows extension to King's College, Newcastle-on-Tyne



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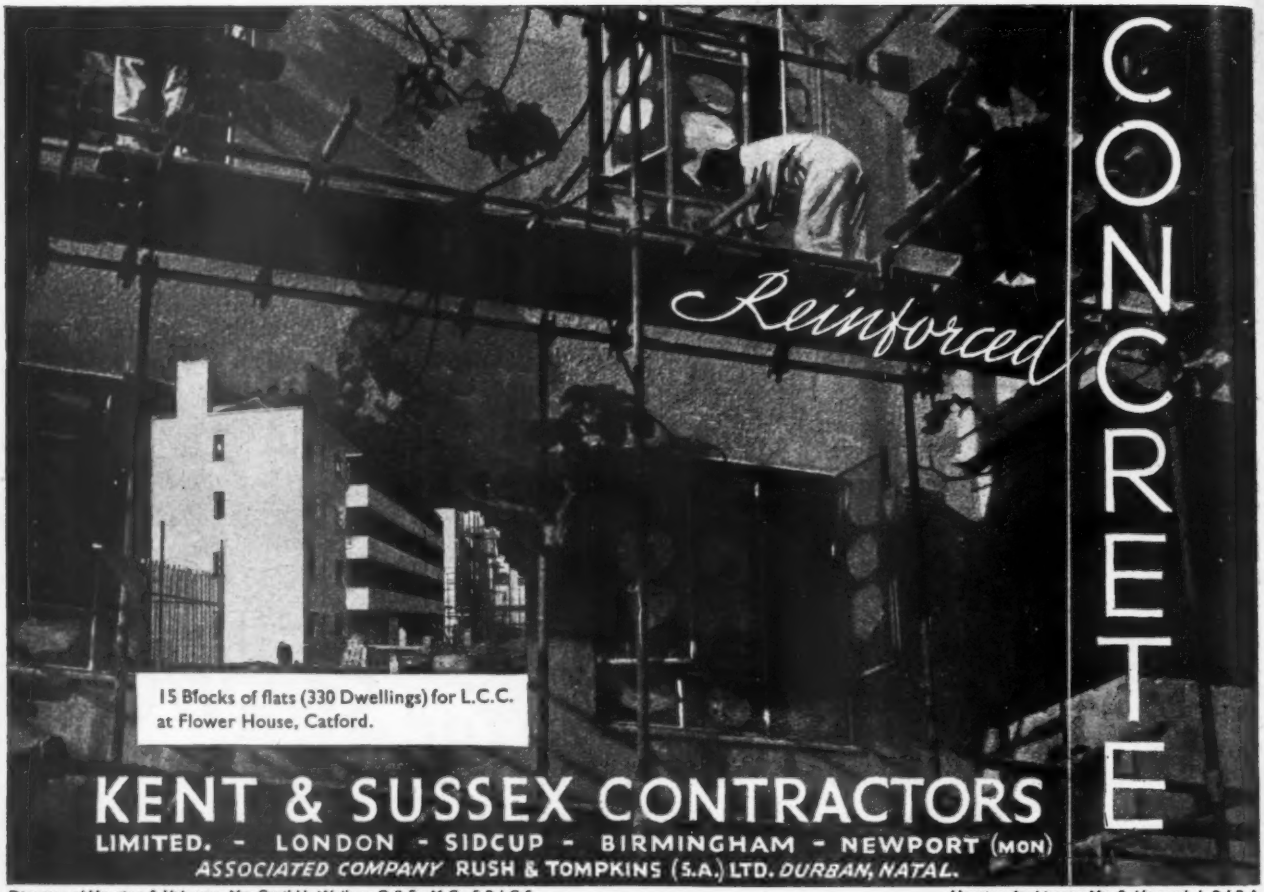
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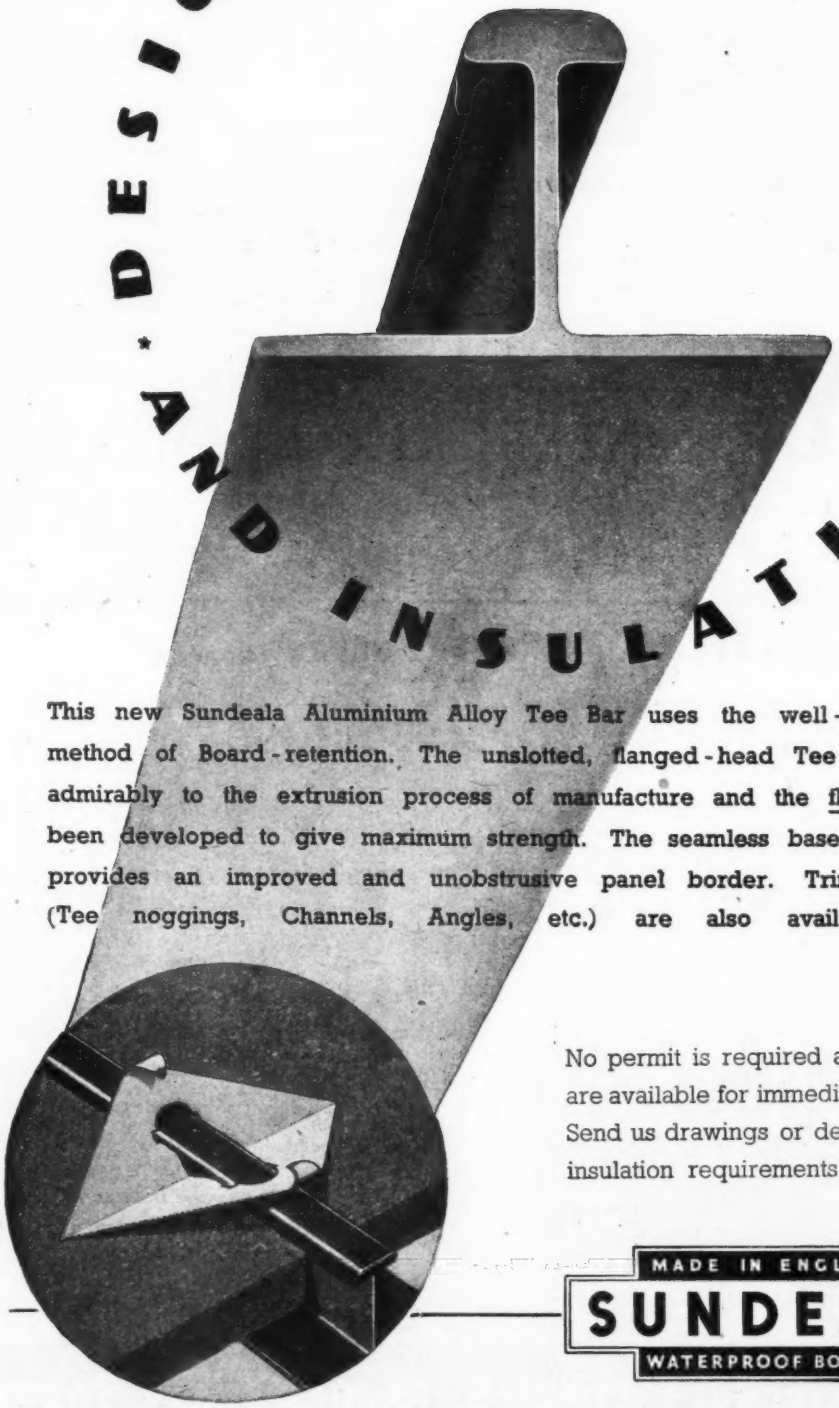
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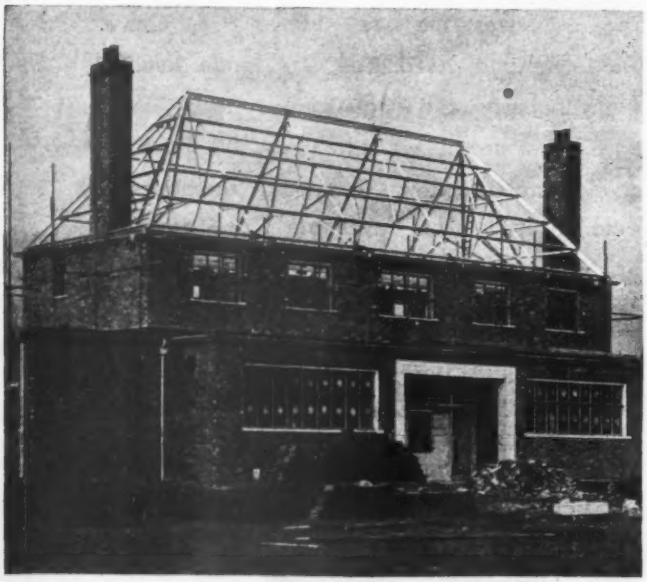
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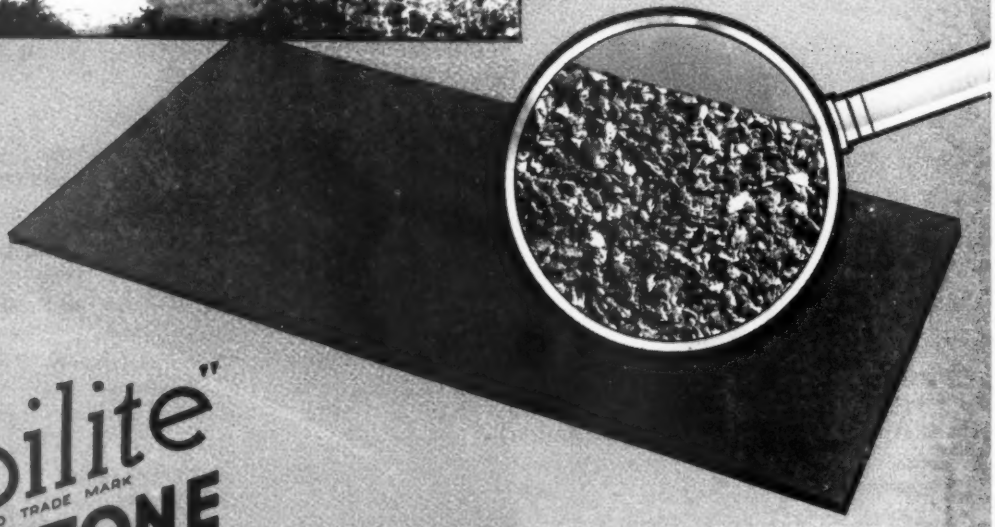
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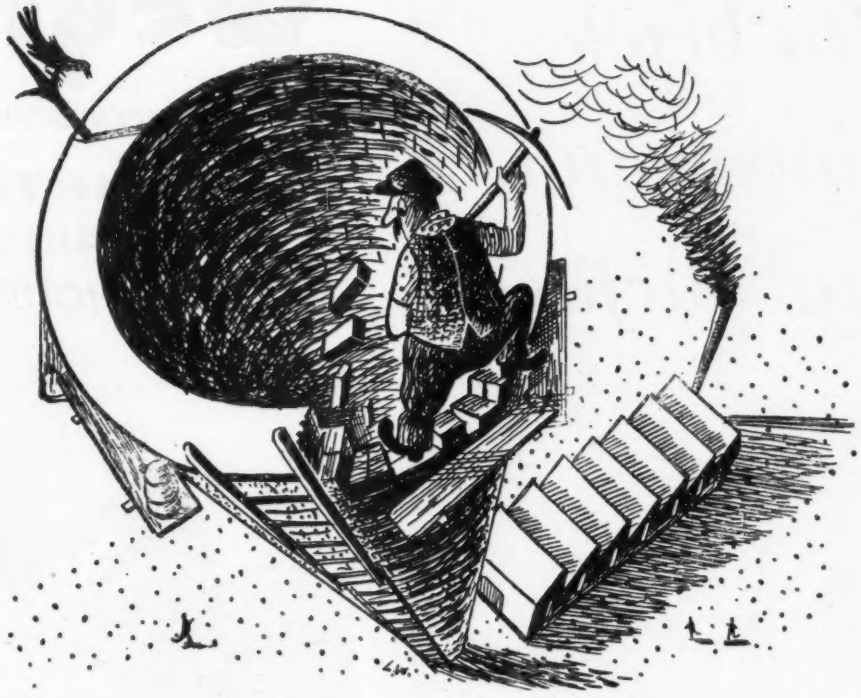
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N2





A few bricks dropped... but what a stack of trouble!

A Ministry Fuel Engineer was called in to advise upon the operation of a boiler plant whose chimney was not drawing satisfactorily. On learning that the height of the stack had previously been reduced by 60 feet, the engineer had the base opened up. There, sure enough, was the cause of the trouble—a pile of old bricks that had been thoughtlessly dropped down inside the chimney by the steeplejack, thus reducing the draught practically to nil! Once the rubble was cleared away the plant functioned perfectly, and has been since.

Here even Homer might well have nodded but you'd be surprised how often it happens that quite an *obvious* cause of trouble in a factory escapes the management's eye.

No matter how confident you feel about things, you will be wise to ask the Ministry's Fuel Engineer to have a look round. He has had a great deal of practical experience and will be able to appreciate your difficulties; but at the same time he brings a completely fresh and unprejudiced mind to bear on your problems. If he has any suggestions to make, you can be sure that they will be sound ones. If he has none, you will gain added confidence from the knowledge that you are making the best of a good job.

YOUR REGIONAL FUEL OFFICE

REGION	ADDRESS	TELEPHONE
Northern	Government Buildings, Ponteland Road, Newcastle-on-Tyne, 5	Newcastle 28131
North-Eastern	Century House, South Parade, Leeds, 1	Leeds 30611
North-Eastern	Mount Pleasant School, Sharrow Lane, Sheffield	Sheffield 52461
North-Midland	Block 7, Government Buildings, Chalfont Drive, Nottingham	Nottingham 77711
Eastern	Shaftesbury Road, Brooklands Avenue, Cambridge	Cambridge 56268
London	Mill House, 87/89, Shaftesbury Avenue, W.1	Gerrard 9700
South-Eastern	Forest Road, Hawkenbury, Tunbridge Wells, Kent	Tun. Wells 2780
Southern	Whiteknights, Earley, Reading	Reading 61491
Wales	27, Newport Road, Cardiff	Cardiff 9234
South-Western	12/14, Apsley Road, Clifton, Bristol, 8	Bristol 38223
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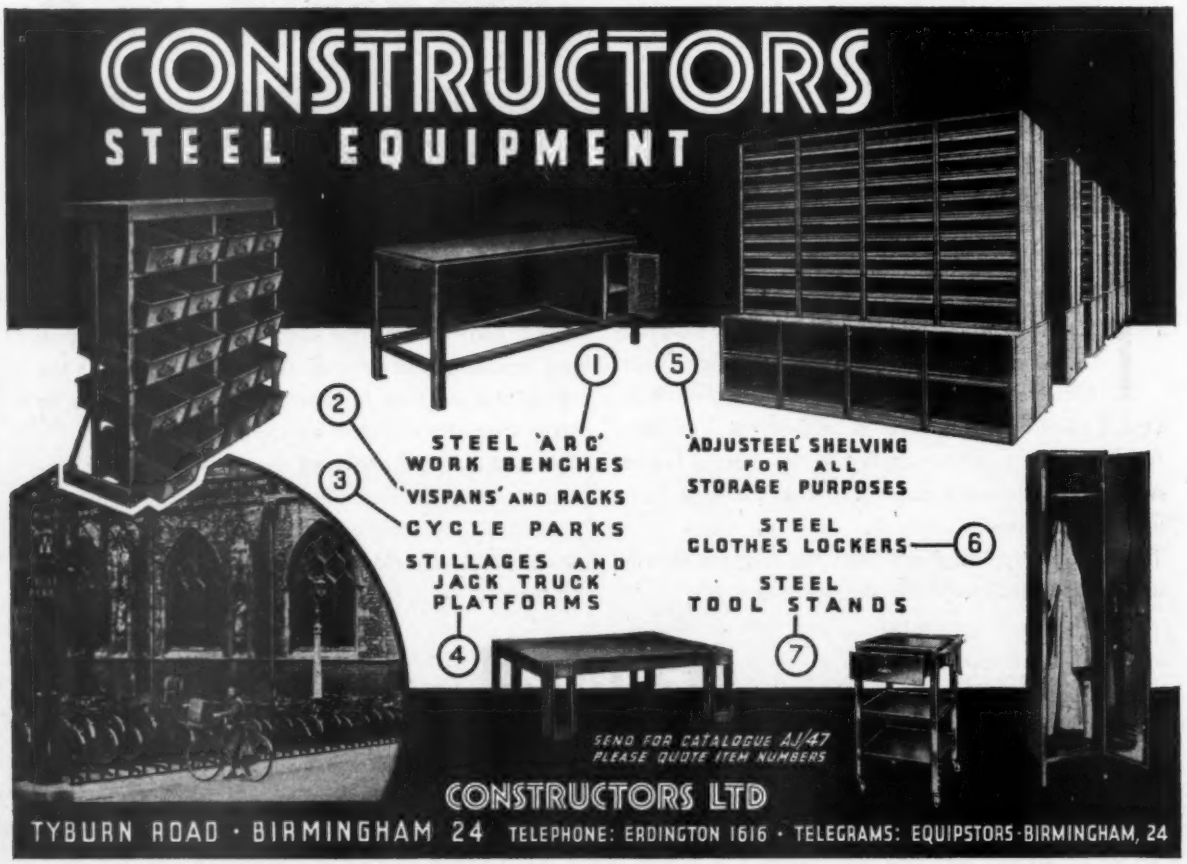
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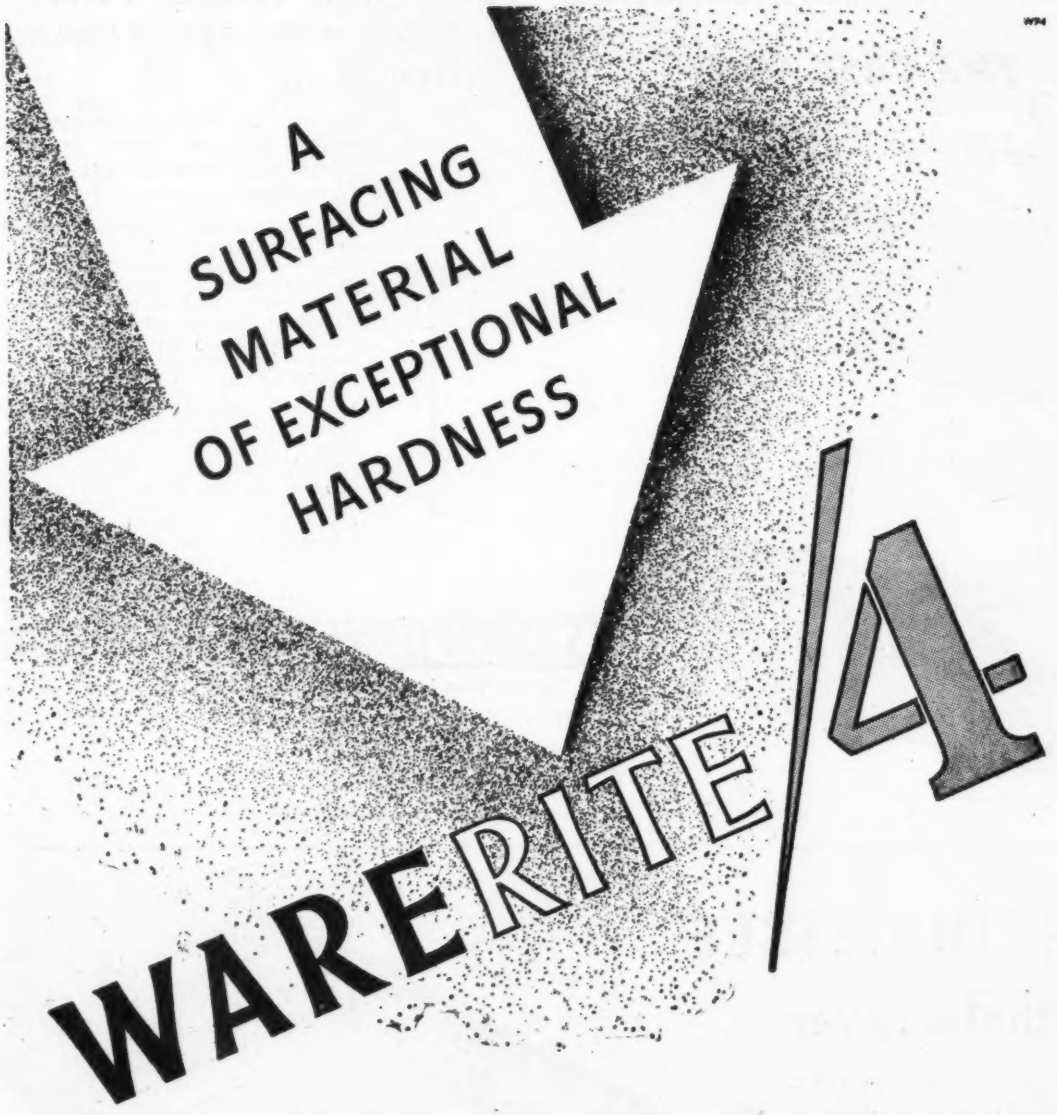
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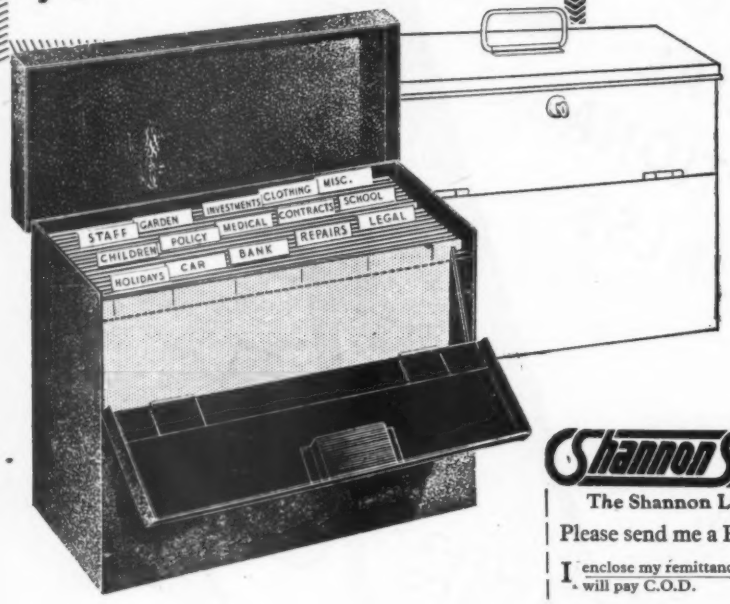
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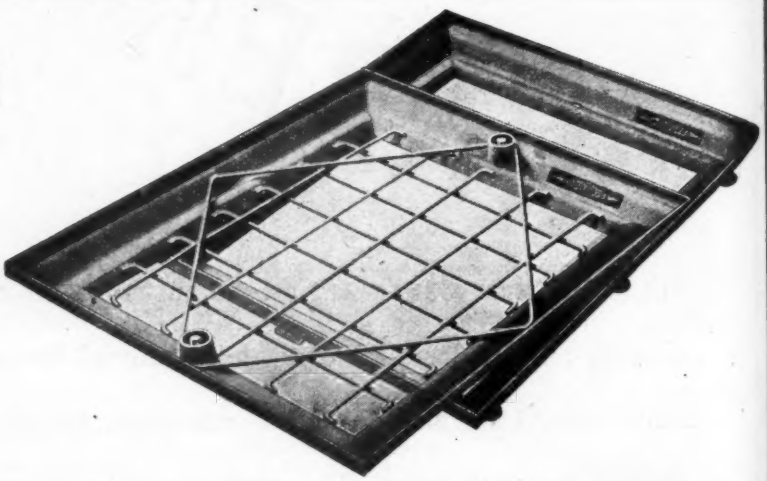
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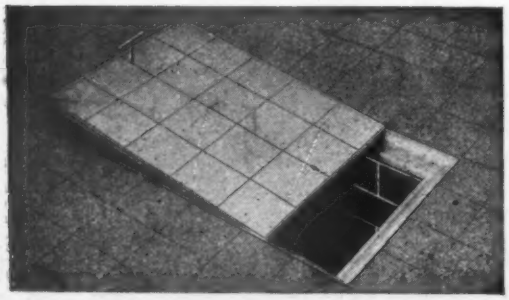
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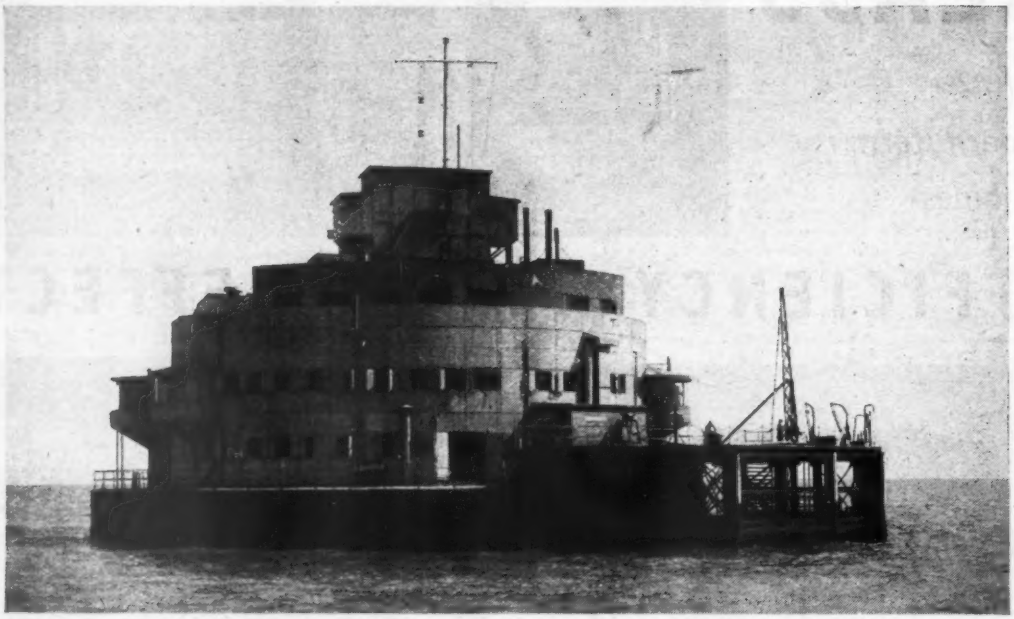
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In common with every other periodical, this JOURNAL *is rationed to a small part of its pre-war consumption of paper. Circulation is therefore temporarily restricted but would-be subscribers are advised to have their names put on the waiting-list. Their names will then be added to the subscription list as soon as possible. Subscription rates: by post in the U.K. or abroad, £1 15s. 0d. per annum. Single copies, 9d.; post free, 11d. Special numbers are included in subscription; single copies, 1s. 6d.; post free, 1s. 9d. Back numbers more than 12 months old (when available), double price. Volumes can be bound complete with index, in cloth cases, for 17s. 6d. each; carriage 1s. extra.*



DIARY FOR MARCH APRIL AND MAY

Titles of exhibitions, lectures and papers are printed in italics. In the case of papers and lectures the authors' names come first. Sponsors are represented by the initials given in the glossary of abbreviations on the front cover.

BRIGHTON. *Allied Ironfounders' Exhibition Train.* No. 7 Platform, Brighton Station. (Sponsor, Allied Ironfounders.) APRIL 4-9

BRISTOL. *Allied Ironfounders' Exhibition Train.* No. 11 Bay Platform, Temple Meads Station, Bristol. (Sponsor, Allied Ironfounders.) UNTIL APRIL 2

DUDLEY. *Industrial Design Exhibition.* At the Art Gallery, Dudley. (Sponsor, CID.) UNTIL APRIL 1

DUNDEE. *Trade Exhibition.* At the Royal British Hotel, Dundee. (Sponsor, D. A. Anderson & Son Ltd.) APRIL 26-28

EDINBURGH. *Trade Exhibition.* At the Scotia Hotel, Great King Street, Edinburgh. (Sponsor, D. A. Anderson & Son Ltd.) APRIL 11-15

GLASGOW. *Exhibition, "Glasgow Today and Tomorrow."* Kelvin Hall, Glasgow. (Sponsor, Scottish Committee of the CID and the Glasgow Corporation.) UNTIL APRIL 9

LONDON. *Planning the Hartlepools Exhibition.* At the Planning Centre, 28, King Street, W.C.2. (Sponsor, TCPA.) UNTIL MARCH 31

Presentation of the Royal Gold Medal to Howard Robertson, at the RIBA, 66, Portland Place, W.1. (Sponsor, RIBA.) 6 p.m. APRIL 5

Exhibition of Howard Robertson's Work. At the RIBA, 66, Portland Place, W.1. 10 a.m. to 7 p.m. (Closing 5 p.m., April 9.) APRIL 5-9

Dr. J. West, Deputy Chief Scientific Adviser, MOW. *Research into the Functional Requirements of Building.* At the Planning Centre, 28, King Street, W.C.2. (Sponsor, TCPA.) 1.15 p.m. APRIL 5

Sidney H. Loweth. *The Employment of New Materials and Methods of Construction of the Post-War Schools.* Bossom Gift Lecture. At the RSI, 90, Buckingham Palace Road, S.W.1. (Sponsor, RSI.) 2.30 p.m. APRIL 5

Exhibition of London Passenger Transport Board Posters. At the Victoria and Albert Museum, S.W.7. OPENS APRIL 6

Thomas Sharp. *Design of Villages.* At Caxton Hall, Westminster. (Sponsor, TPI.) 5.30 p.m. APRIL 7

Clough Williams-Ellis. *Holiday Resorts and Accommodation.* At the Planning Centre, 28, King Street, W.C.2. (Sponsor, TCPA.) 1.15 p.m. APRIL 12

G. Manley. *Microclimatology: Local Variations of Climate as they Affect the Design and Siting of Buildings.* At 66, Portland Place, W.1. (Sponsor, ASB.) 6 p.m. APRIL 12

Reception by the President and Mrs. Waterhouse. At the RIBA, 66, Portland Place, W.1. 8.15 p.m.-12 midnight. APRIL 29

MANCHESTER. *Exhibition of Printed Furnishing Fabrics,* by Messrs. Stead, McAlpin Co. Ltd., of Carlisle, at the Colour Design and Style Centre of the Cotton Board, 19, York Street, Manchester, 2. (Sponsor, The Cotton Board, 1948.) Hours: Weekdays, 10 a.m. to 5 p.m. Saturdays, 10 a.m. to 12 noon. UNTIL APRIL 9

NOTTINGHAM. *Design Week organized by the CID.* APRIL 4-9

COMPETITIONS

Fleet Air Arm Memorial of the 1939-45 War, at Lee-on-Solent, for the Imperial War Graves Commission. Premiums, £100, £60, and £30. Assessor, Edward Maufe, R.A. Conditions from the Secretary, Imperial War Graves Commission, 32, Grosvenor Gardens, London, S.W.1. Closing date, May 20, 1949.

NEWS

THURSDAY, March 31, 1949
No. 2825 VOL. 109

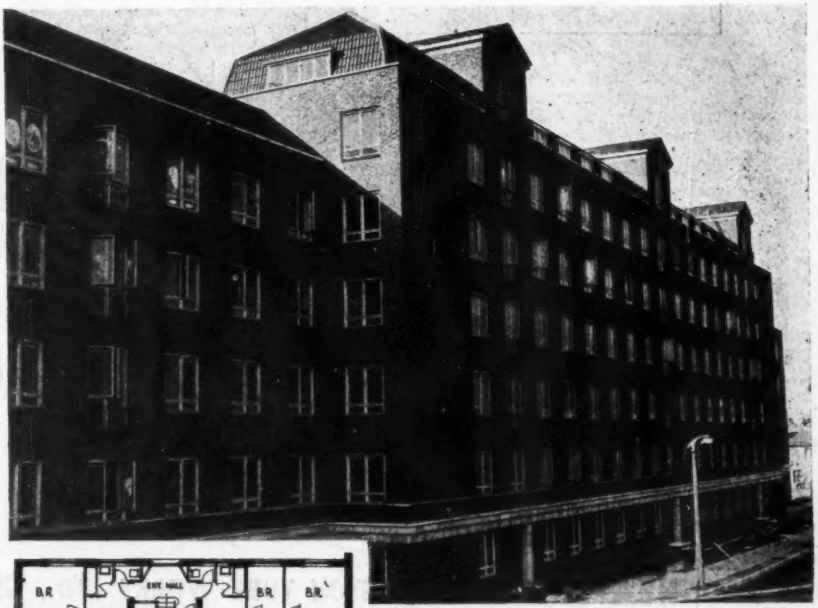
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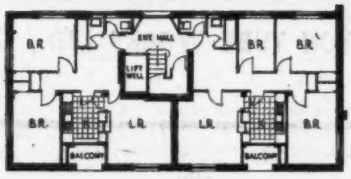
Though no feature in the JOURNAL *is without value for someone, there are often good reasons why certain news calls for special emphasis.*

★ *means spare a second for this, it will probably be worth it.*

★★ *means important news, for reasons which may or may not be obvious.*

Any feature marked with more than two stars is very big building news indeed.



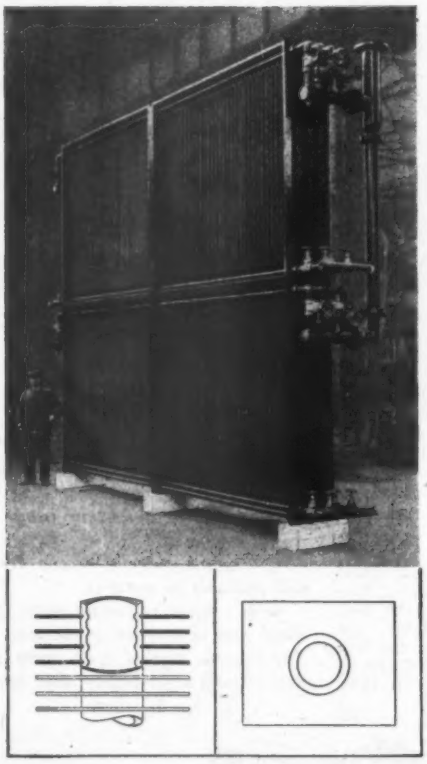


One of the two blocks of flats nearing completion at the Iron Mill Estate, Wandsworth. Architects, C. Lovett Gill and Arthur W. Kenyon.

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From AN ARCHITECT'S *Commonplace Book*

THE COUNTRY HOUSE. [*From* The English Interior, 1500 to 1900, *by Ralph Dutton* (*B. T. Batsford, Ltd.*).] There are, or rather were, until 1939, a remarkable number of houses all about the country in which a combination of handsome buildings, well-kept garden and magnificently timbered park reached a standard which approached perfection. These houses, now in many cases on the verge of dissolution, have greatly added to the material and artistic wealth of the nation. They may have been built for the few but they have benefited the many . . . The position of the country house as a centre for the advancement of the arts is finished; there is now greater opportunity for the encouragement of culture in a service flat than in a house where the major part of the energies of the inhabitants is turned towards maintaining the necessities of life, and the country house, if it is to have any future, while preserving some semblance of its present form, must prove its utility in some other way. How this is to be achieved with economic success remains at present unsolved, but the social justification for the preservation of these houses may be found by closening the ties between the big house and the village which may lie near it, by making it an asset to the lives of the villagers, by putting part of the buildings to some service which is of general benefit, in short, to restore in some measure the intimacy which existed over many centuries between manor house and village, and which the frigid classicism of the eighteenth century tended to destroy.

★★

THE RIBA QUESTIONNAIRE recently issued will provide valuable information for the committee which has been set up by the council to consider the present and future of architectural practice.

The questionnaire has been sent to members and students of the RIBA and to members of the allied societies. It is hoped that an analysis of the replies will give some indication as to how much licences, controls and shortage of materials and labour have affected the distribution of work between different sections of the profession. The analysis should show what exodus has been made from private to official practice since 1938, the numbers by which local authorities have increased their architectural staffs during the last 11 years, and the number of architects who have had to abandon their practices because of lack of work.

The GOVERNMENT'S BUILDING PROGRAMME was outlined by the Minister of Works at the annual dinner of the Builders' Benevolent Institution at Grosvenor House, London, last week.

Mr. C. W. Key said that the industry's prospects for the year remained good. He referred to the Economic Survey for 1949, which stated, "It is the Government's intention, while maintaining investment in the social services at the 1948 level, to increase to the maximum the investment in those industries and basic services where increased output will, directly or indirectly, assist the balance of payments, and, more particularly, serve to increase dollar earnings or reduce dollar expenditures." The building programme, he said, would include industrial building, on which special emphasis would be placed over the next few years; work for agriculture, consisting of new farm buildings and repair work essential to the expansion programme; the development of electricity generating capacity, which would reach its peak this year and remain at that level for several years; housing, which would continue at its present level; schools, involving the provision of new school places in primary schools; the health services, on which investment would consist of bringing hospital accommodation up to standard, overtaking arrears of maintenance and war damage, converting wartime hospitals to serve peacetime uses, and in carrying out urgent schemes of extension and improvement; and defence and administration, comprising work for the Service departments and other direct Government building.

In carrying out this vast programme of industrial and social building, the industry was making a positive contribution to economic recovery and social welfare.

Mr. R. R. Costain, president of the institution, presided at the dinner, which was attended by 400 guests. It was announced that £2,000 had been subscribed to the institution this year.

★

The Minister of Town and Country Planning has decided to allow the recent APPEAL BY JOHN BARKER AND CO. against a decision by the LCC.

The LCC had banned the construction of a vehicle unloading bank on land at the rear of 42-45, Kensington Square and 16, Young Street. The company will now be enabled to use the garden space at the back of these houses for the receipt of goods and for the unloading bank. The Ministry felt that the public good which would result from the relief of traffic congestion must outweigh any inconvenience which might be caused by the proposed works.

Department of Health for Scotland has issued a circular on PLANNING AND THE PUBLIC.

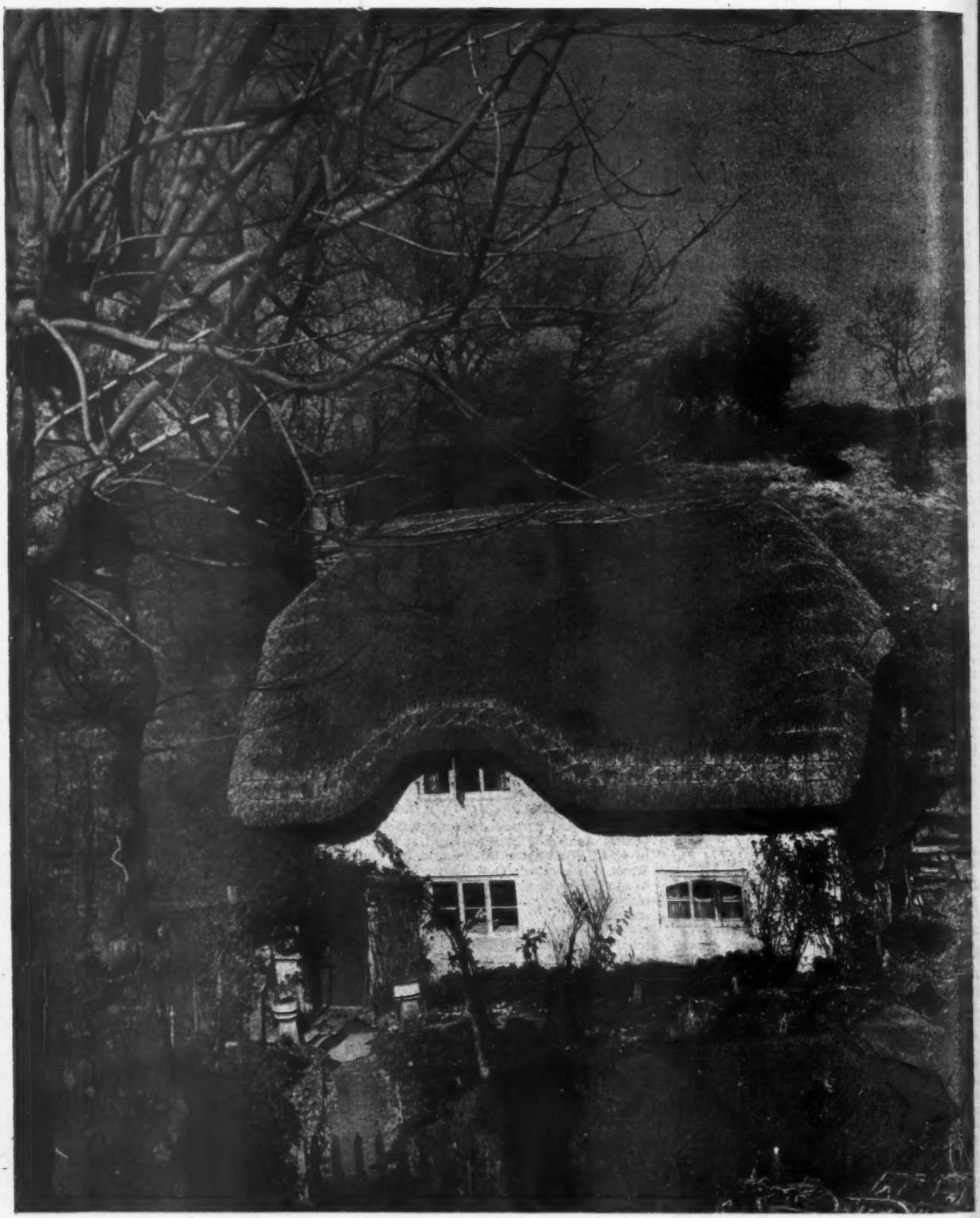
In the circular, local planning authorities in Scotland are requested to organize exhibitions to illustrate to the public their planning proposals. The circular is intended to guide local planning authorities on their obligation to prepare plans within three years of the appointed day under the Town and Country Planning (Scotland) Act, 1947. The minimum requirement in the case of burghs is that they should submit within three years of the appointed day: (*a*) A town map to a scale of 6 in. to one mile; (*b*) a programme map to the same scale; and (*c*) a written statement. County councils must submit within three years: (*a*) A county map to a scale of 1 in. to one mile; (*b*) town maps for burghs and other areas; (*c*) programme maps for the county map and each town map; and (*d*) a written statement.

The circular also points out that it is the Secretary of State's wish that local planning authorities should consult with neighbouring authorities and with other bodies, including statutory undertakings and trade associations. Under the Town and Country Planning (Scotland) Act, county councils are obliged to consult the town council of a small burgh in their district whose area is affected before preparing a development plan, and they must give the town council an opportunity of making representations before submitting the plan to the Secretary of State. In addition, the Regulations prescribe that before preparing a development plan the local planning authority shall consult with the appropriate Agricultural Executive Committee, with the National Coal Board where the plan will include an area of proposed coal working, and with adjoining planning authorities.

★

The Programme of the HEALTH CONGRESS to be held at Brighton has been announced.

At the Health Congress being held in Brighton from May 23 to 27, 44 addresses and papers will be delivered to, and discussed by, persons engaged in the improvement of public health. For architects, engineers and surveyors, the discussions on "Sewage Disposal at Coastal Towns" and "The Application of a Basic Survey to the Work of a Local Authority" will be of special interest. These will be introduced by Robert L. Gee, borough engineer's department, Brighton, and by F. J. Cave, the borough engineer's department, Willesden. Papers will also be given on "Some Applications of Space Heating" by A. J. Pashler, and "The Human Angle in the Design of Industrial Buildings and the Effect on the Health of the Workers" by E. D. Jefferiss Mathews. In the Housing and Town Planning Section, the discussions will be on "Housing in a Metropolitan Borough" and "Crawley New Town." The first of these will be opened by the borough engineer and surveyor of Hackney, G. A. L. Downing, and the second by Anthony Minoprio. Films of special interest to members and officers of local authorities will be shown on two afternoons during the week. The Building Research Station's new film, "Heating Research for Houses," will be presented by Dr. J. C. Weston, who will describe some of the results of the experiments that are being conducted by his department. Another film to be shown is "One Man's Story," which depicts the work of Dr. M'Gonigle as medical officer of health at Stockton-on-Tees.



The Fate of the Country Cottage

The whole future of the country cottage now hangs in the balance. Is it to be preserved as an integral part of the English countryside and altered to suit present-day requirements, or is it to be condemned for lack of floor space and inadequate ceiling heights and replaced by council houses? The cottage shown above is at Letcombe Bassett, Berkshire, a village which has recently been in the news because it is a prospective victim of exactly the latter process. With a quarter of the houses in the village condemned, and new building prohibited by the local authority, the position of Letcombe Bassett indicates two urgent problems: the future of the small inaccessible village and the future of the rural cottage. A full report on Letcombe Bassett by an architect commissioned by the JOURNAL to investigate conditions on the spot, together with some more illustrations, appears on pages 295-298 of this issue.

★ *The award in the OPEN COMPETITION FOR A SECONDARY MODERN SCHOOL, NUNNERY FARM, WORCESTER, organized by the City of Worcester, was declared on March 21 by the assessor, Mr. John B. Surman, F.R.I.B.A.* Ninety-four designs were submitted. The results are as follows:—First place and £400 premium: E. B. Musman, B.A., F.R.I.B.A., 12, Upper Berkeley Street, Portman Square, London, W.1. Second place and £200 premium: P. Dunham, F.R.I.B.A., and McFarlane Widdup, A.R.I.B.A., Studham, Dunstable, Beds. Third place and £100 premium: W. A. Horne and D. H. Ramsbottom, A.R.I.B.A., County Offices, Preston. The assessor was of the opinion that the costs of the designs were: First, £139,000; second, £133,500; and third, £141,700. He commended the following designs as being of special interest:—N. T. Rider, A.R.I.B.A., c/o Messrs. Peacock and Bewlay, 83, Colmore Row, Birmingham. David du R. Aberdeen, B.A., F.R.I.B.A., 20, Green Moor Link, London, N.21. D. Rogers Stark, A.R.I.B.A., Stratton Croft, Mill Lane, Chalfont St. Giles, Bucks. H. J. E. Pyne, A.R.I.B.A., 19, Palace Court Gardens, London, N.10. D. C. Glyn Davies, A.R.I.B.A., "Severnside," Gathmyl, Berriew, Montgomeryshire.

NEWS IN BRIEF

RIBA representatives appointed to the Festival of Britain, 1951, Conference to co-ordinate arrangements for festivities in connection with architecture, town planning and building research are Mr. H. S. Goodhart-Rendel, P-P.R.I.B.A., and Mr. C. D. Spragg, Secretary of the RIBA.

Private purchase of timber overseas may be restored as a result of Government discussions with the timber trade. This was announced by Mr. Wilson, President of the BOT, last week.



This portrait of Thomas Cubitt, painted in 1849 by H. W. Pickersgill, R.A., was recently presented to the London Master Builders' Association by Lord Ashcombe, Cubitts' great-grandson, who is chairman of Holland and Hannen & Cubitts.

THE LCC AND THE JOURNAL

ON another page is a letter from the Leader of the London County Council, commenting on the recent discussions in the JOURNAL about the quality of LCC housing. Mr. Hayward rightly insists that criticism must be based on a fair presentation of the work criticized, and at the end of his letter he makes a very public-spirited gesture. He offers to arrange a comprehensive exhibition of the Council's housing work for the benefit of the architectural profession and invites the JOURNAL to publish the opinions of the visitors. The JOURNAL accepts the offer with the greatest pleasure. It will co-operate in every way possible and will give full publicity both to the exhibition and to the profession's opinions on it.

Further discussion of LCC housing can best be deferred until this exhibition takes place, but in the earlier part of his letter Mr. Hayward accuses the JOURNAL of criticizing unfairly, and some comments on these points are therefore called for right away. Mr. Hayward's principal complaints seem to be these. First, that the JOURNAL printed the text of Mr. J. M. Richards's radio criticism, but failed to follow this up by printing Mr. Gibson's reply. But Mr. Richards was chiefly concerned with criticizing the architectural, or æsthetic, quality of LCC flats and Mr. Gibson began his reply by saying " I don't want to discuss the architectural merit of individual buildings." So his reply was not a reply. He only discussed town-planning, and even under this heading he occupied himself chiefly with refuting statements Mr. Richards never made. For example, Mr. Gibson said " Mr. Richards claimed that the County of London Plan had been scrapped. This is untrue." In fact Mr. Richards only mentioned the Plan in order to criticize three specific instances of departure from it, and during the discussion it was Mr. Richards who, in reply to one of the other critics, insisted that, in a general way, the Plan was still the basis of the LCC's development of London. Mr. Gibson's reply, therefore, was not really relevant to the issues under discussion.

Secondly, Mr. Hayward points out that the County of London plan was always intended to be flexible and did provide for some building on the Green Belt. To this it can be answered that a plan's flexibility should not preclude criticism if its development in practice is thought to be taking a backward direction, and that the manner in which building is going on in the Green Belt (using the term in the sense in which the public understands it) is contrary to the spirit of the Plan. The LCC's proposals for building on open spaces at Campden Hill and elsewhere are even more so.

Thirdly, Mr. Hayward suggests that the photographs of recent LCC housing reproduced in the JOURNAL were not such as to allow fair judgment. Most of them were, however, photographs issued by the LCC themselves for publicity purposes. The JOURNAL has no wish to prejudice the issue. Let architectural quality be judged by the most straightforward possible photographs or, better still, by a visit to the buildings themselves.

When Mr. Hayward speaks of the LCC's housing architects' "resentment at the recent attacks on their professional capacity," he seems to imply that there is something unfair about public criticism of architects' work, especially those employed by a public authority, because it is difficult for them to answer back. But novelists do not normally expect to answer reviewers, nor actors to answer dramatic critics. When an architect has designed a building he should expect and welcome critical comments on its appearance; in fact this is the only way of ensuring public interest and raising architectural standards.

The important question of free and regular criticism of architecture cannot be discussed here in detail, but in the JOURNAL's view the need for it is great and the JOURNAL intends to pursue the subject later. Meanwhile, it is most encouraging that elsewhere in his letter Mr. Hayward comes out firmly on the side of free critical comment. Actions like his present offer, to exhibit his Council's work for the purpose of inviting criticism, are a clear proof that he means what he says. So positive a reaction to the JOURNAL's criticisms sets an invaluable precedent which it is hoped that other public bodies will follow.



The Architects' Journal
9, 11 and 13, Queen Anne's Gate, Westminster S.W.1
Phone: Whitehall 0611

NOTES & TOPICS

HOW ARE WE DOING?

All members of the RIBA should by now have had a letter from Sir Percy Thomas and a questionnaire to fill up. You will remember that Sir Percy is chairman of the committee set up to consider the present and future of architectural practice, and the questionnaire is an excellent first step in finding out how we are all getting on at the moment and what we would like to do in the future. This is the first time, so far as I know, that the Institute has tried to elicit real facts from the whole membership, and it seems a very sensible idea—much better anyway than the vague division of private practice and official employment. The questions are simple enough and don't peer into our private lives or overdrafts. I've filled in mine already—don't forget to do yours, and send it off, both by April 20.

SHARPLESS MONSTER

Each week some new calamity shatters our planning dreams—the sanctity of the Green Belt violated, thousands of acres of rich agricultural land taken over by the Military, a vast power station rising in a muddy waste land once scheduled as a National Park.

*

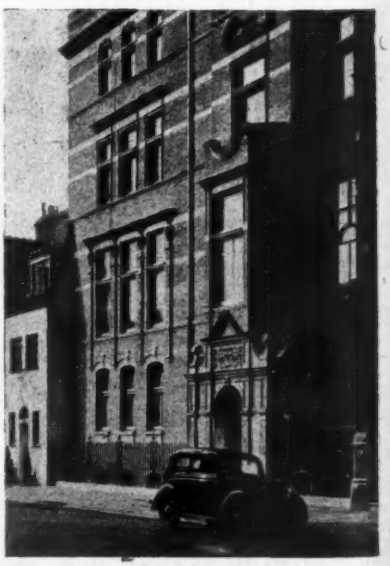
Latest threat is the extension of the Oxford gas works on their present site. Thomas Sharp, it will be remembered, proposed to move them elsewhere, and the Royal Fine Art Commission has objected to them also. Is this new planning gaff really necessary? What are the facts? Is the issue clearly and simply between a pleasant skyline and an eightpenny Sunday feast for every Oxford citizen? In cases like this the truth is often difficult to ferret out. I suppose it would be too cynical to think that the only consolation we can hope for for the lost view of Oxford's spires is the joy in battle of some future generation struggling to preserve, as dramatic monuments of the cultural heritage of the twentieth century, the ancient gasometers of Oxford.

GLASGOW'S PLAN

The enormous model shown on the opposite page is now on view at an exhibition in Glasgow titled Glasgow Today and Tomorrow. Robert Bruce, the City Engineer, is showing to the inhabitants his ideas for the future Glasgow. Many of the ideas are sound in principle, such as an inner ring road to avoid through traffic having to enter the centre of the city, the replacing of the four existing stations in the centre of the city by two stations close to the ring road, with communication between them by underground railway, and the opening up of the Clyde bank for a green space.

*

The last thing Astragal wants to do is to appear unsympathetic towards town planning, but surely it does more harm than good to suggest that a completely new city can be realized in fifty years or so. Surely the impression to give the public is of *controlled* development along certain lines rather than the sudden creation of a rigid plan. A plan, incidentally, which is out of date even today, and will be considered as archaic as a grid plan in a few years time.



60a, Cadogan Square by Norman Shaw, showing the recently cleaned facade. See Astragal's comment.



The proposed plan for Glasgow, designed by Robert Bruce, the City Engineer, which is on view at the Kelvin Hall, Glasgow, until April 9. See Astragal's comment.

Several faults are so outstanding that a brief glance at the photograph reveals them. Here is a big idea gone astray for lack of understanding of architectural potentialities of the present day—let alone a hundred years hence. Isn't it time Glasgow had a City Architect?

KEEP THEM DIRTY

"Love Lane," said a caption in the JOURNAL recently beneath a photograph of some newly-completed houses, "will shortly be made up and then handed over to the local authority." Did this item, I wonder, strike the same faint chill into your heart as it did into mine? Before my eyes once again passed in imagination the melancholy procession of standard coloured barges, of numbered and anonymous railway engines, of Ministry of Education standard classrooms, of Letcombe Bassett abandoned to the nettles, of housewives, each with Professor Zuckerman's apparatus strapped over her shoulders, and, bringing up the rear, Cleopatra's Needle, vertical and rudely pink.

*

The decision to clean this familiar grimy obelisk has no doubt been made with the best of intentions. The men who placed it there presumably preferred it pink, and no doubt the sooty coat it now wears is bad for the stone. I suspect, however, that the Needle is one of these London features—like the Monument, the warehouses of the Pool and, above all, the Doric Arch at Euston—which look better black than pink or white, and I hope that the Festival of Britain authorities, who are urging us to have a wash and brush up by 1951, will not encourage a wholesale scrubbing down.

*

Goodhart-Rendel, in a recent talk on the wireless, appealed for the cleaning down of that rose-red city which lies between Harrods and Chelsea Embankment. No harm in this—as the photograph opposite so clearly illustrates—but don't let's forget there are buildings which not only should remain dirty but also those which should, if possible, be made dirtier, such as, perhaps, the Reform Club, the Bank of England, No. 1 Piccadilly, Westminster Cathedral—you can each make your own list no doubt.

*

Here is a task for a new Society for Smoke Non-Abatement; foundation members Mr. John Piper and Prof. Russell Hitchcock; and let their first duty be the preparation of a Black List.

SECOND TO NONE

In these columns of the JOURNAL for March 17 Astragal commented on the decision of Herts County Council to provide funds for sculpture and paintings to adorn their school buildings. Astragal is now pleased to record that Lancashire has also made this wise provision.

ASTRAGAL

LETTERS

I. J. Hayward, Leader of the L.C.C.

B. N. L. Whiteley, Student R.I.B.A.

Judith Todd, Secretary S.C.R.

LCC Housing

SIR,—My attention has been drawn to the article in your issue of March 17 headed "LCC Housing."

The Council welcomes critical comment of its many architectural activities, but the highly skilled and experienced architects in the Housing Department are entitled to a fair presentation of their work. It is significant, in this connection, that although you have published part of Mr. J. M. Richards's broadcast, you have not been able to find room for the reply by Mr. C. W. Gibson, the Chairman of the Council's Housing Committee.

The Council will be satisfied if critics are accurate and informed and give a fair presentation of the whole of the work which is being undertaken. When detail and finish is being criticized the Council has a right to expect the critic to observe accurately whether the building is built of brick or concrete. We should not expect a critic to allege that to build in the Green Belt is contrary to the London Plan when the plan itself provides for building within the Green Belt for 125,000 persons.

This sort of uninformed comment is unfortunately noticeable throughout your articles, for instance, on page 253 you state:—

"But the LCC is its own planning authority; in many respects it has more immediate financial assets than His Majesty's Treasury and is less subject to continual question in Parliament. Under legislation it has, of course, to satisfy the Ministers of Health and of Town and Country Planning that it is using—and using properly—the powers conferred upon it, but within those limits the LCC is its own master, and it is quite right that it should be so."

Practically every statement in this paragraph is misleading. So far as the financial cost of the Council's schemes are concerned, it is subject to exactly the same control as all other housing authorities. An elementary study of the Town and Country Planning Act, 1947, will indicate the other inaccuracies.

I suggest that, particularly when talking about immediate post-war densities, critics should remember that the authors of the County of London Plan wrote:—

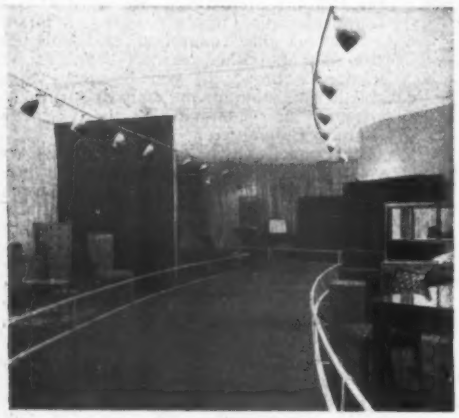
"It is hardly necessary to point out that the plan at this stage is advisory only, that it would be unwise to embody it (or even the proposals designed for the first period) in a hard and fast legal document at too early a stage and that it can and should be flexible."

Coming now to your invitation to architects to comment on the Council's housing work, I think most of your readers would agree that the angles from which some of the photographs which appeared in your last issue were taken, and the bad quality of the reproduction, preclude the possibility of a genuine architectural appreciation based on these pictures.

The large staff of able and experienced architects engaged on the Council's housing operations are precluded by the Council's standing orders from answering public criticisms of their work and, though I appreciate their intense resentment at the

NEW FURNITURE AT GLASGOW EXHIBITION







Views of the Glasgow Corporation Exhibition, at the Kelvin Hall, Glasgow (until April 9). Left, and below left, the New Furniture stand designed by Basil Spence, showing winning entries from the recent competition organized by the Scottish Committee of the CID. Below, living room of a single woman's flat as incorporated in blocks built by Glasgow Housing Dept. Furniture by CID.

recent attacks on their professional capacity, I cannot recommend a relaxation of this rule. It is, however, only fair to the Council's staff to say that the decision to use plans which were in an advanced stage at the end of the war was a political decision for which I and my party take full responsibility. The large number of flats completed during a very difficult period is, I think, a sufficient justification for that decision.

I therefore offer to arrange for a comprehensive exhibition, specially for qualified architects, at which will be displayed photographs, plans and working drawings of the Council's estates, including *any* which have been the subject of adverse comment, and invite the Architects' Journal to publish the opinions of the visitors. The views expressed after such an examination would be valuable, but to base serious criticism on the poor reproductions published by you would, I think, be a complete waste of time.

I. J. HAYWARD,
Leader of the London County Council.

[Mr. Hayward's offer is most warmly welcomed. See this week's leading article.—EDITOR, AJ.]

SIR,—I am a student architect in my third year of training, but it is already apparent to me that the quality of modern flat design in Britain today is vastly inferior to that on the Continent, a little of which I have had the opportunity of studying at first hand for a short period. In most cases our general standard is poor and out of date, and as the JOURNAL stated in an article: "The quality of design with which the LCC seems to be satisfied is the subject of the gravest concern." The photographs reproduced in the JOURNAL represent a typical cross section of flat design in the LCC area, all of them must have their good points either in planning or in elevational treatment, but it is the latter that concerns me most.

Naturally there are many important factors to be taken into consideration—site limitations, materials available, cost, area density, etc.—all help to influence the finished design; but surely, taking everything into account, buildings more pleasing to the eye could and should be produced. Lack of imagination and feeling in design seems to be partly the reason, and this produces a stereotype and out of date trend. To mention a few details—the length of access balconies should be shortened to serve three or four flats only and should be light and airy; fenestration should be improved—positioning and design of chimneys also; while general detailing and use of materials in elevational treatment appear to be lacking. On the other hand, some of the plans illustrated lately are first class, but it is no use producing first-class plans and site layouts if the elevational treatment is going to be third rate.

The architect can obviously sum up more quickly the good and bad points of a design, but it is the public who are the final critics, and I feel their judgment will be distinctly unfavourable.

B. N. L. WHITELEY

London

SCR and the LCC

SIR,—The letter of Mr. H. Dessau, published in your issue of March 24, refers to the SCR as among the bodies to be congratulated on "weighing in against the clumsy housing of the LCC." May I make it clear that the Society for Cultural Relations with the USSR, whose purpose is indicated by its name, is as a Society neither competent to nor desirous of taking sides in a controversy of this nature?

JUDITH TODD,
SECRETARY SCR

London

In Parliament

Questions in connection with the forthcoming Festival of Britain continue to exercise the minds of many Members.

Sir Ralph Glyn (Con.—Abingdon) asked the Lord President of the Council whether he was satisfied that in the permanent Concert Hall, which was to form part of the Festival of Britain building scheme, it would be possible to avoid the ill effects of severe vibrations caused by trains passing over the bridge and the fact that the whole site was composed of made-up material. He wanted the Government to reconsider the position and give support to the reconstruction of Queens Hall to be ready in time for the Festival opening.

Mr. Herbert Morrison, in his reply, said: "The DSIR's Building Research Station has carried out for the London County Council a very thorough survey of the sound and vibration problems on the site, and a leading acoustic expert is being employed as an adviser. In addition, experiments are in progress to reduce sound vibration at its source. Trial borings showing the nature of the sub-soil are also available. The question of made-up ground is not a factor at all as the building will have its foundations on ballast over blue clay, which is well known to be one of the best foundations available. On the basis of this evidence and advice, measures have been incorporated in the plans of the Concert Hall to avoid any ill effects of vibration."

Mr. Morrison also said that the Government was giving facilities for the reconstruction of the Queens Hall, and it was hoped that the promoters would be able to complete the work in time for the Festival opening.

Representatives of severely blitzed towns like Plymouth and Hull put in a strong plea to the Government to increase the allocation of steel needed for the reconstruction of these battered areas.

One of the most outspoken speeches on this subject came from Mr. H. M. Medland, Labour Member for the Drake Division of Plymouth, who pointed out that Plymouth's allocation of 750 tons represented .00034 of the total amount of steel produced annually. "That is the generosity of the Government towards the blitzed areas!" he exclaimed warmly. He confessed that he had felt "a little angry" when he discovered that on one site in Whitehall alone 13,000 tons of steel were being used for Government offices.

Mr. Douglas Jay, the Economic Secretary to the Treasury, explained, in reply to the debate, that the steel being used on this Whitehall site was for a period of five years. One of the purposes of the scheme was to free housing accommodation by moving Government officials into the new building.

Mr. Jay said that the Government obviously had to give priority in steel supply to the immediate needs of industrial building and to exports, both of steel and engineering products, in so far as they earned us food and raw materials in return. But subject to that, and as building schemes came forward in the blitzed areas, it would be possible, period by period, to review this question and, if necessary, to increase the allocations.

LETCOMBE BASSETT

AN INVESTIGATION ON THE SITE



The future of the village of Letcombe Bassett has been the subject of recent controversy. It is of considerable importance because it is a test case on which the fate of a large part of traditional rural England may be said to depend. The issue has been argued over the radio and in the newspapers, but listeners and readers can only consider it fully if they have the facts before them—especially the facts as to the condition of the village and what it looks like. The JOURNAL *therefore sent its staff photographer to photograph the village and commissioned Mr. George Fairweather, the architect, to make a report on the condition of the houses. The results of their work are given on these pages, together with excerpts from the report of Mr. T. Houghton, the Planning Officer of the North Berks Regional Planning Committee and from Dr. Thomas Sharp's speech, given when he discussed Letcombe Bassett with Mr. John Betjeman on the BBC last month. Mr. Frederick Etchells, the architect, who is a local resident, adds a note on the present system of classifying houses. As the situation rests at the moment, the local authorities, having condemned a quarter of the houses in the village, have recommended, in order to avoid the expense of installing main drainage, that no houses should be rebuilt, but that alternative accommodation for the villagers should be provided at Letcombe Regis. The problem which Letcombe Bassett exemplifies is: should the life of a small village be checked by a local authority because over a period of years the standard of housing and amenity remained, through circumstances out of the villagers' control, at a level now considered inadequate ?*

Above, some of the cottages in Letcombe Bassett which surround the cress beds at the foot of the downs. Below, a plan of the village.



THE VILLAGE: conditions existing today

The village of Letcombe Bassett lies in a dip on the edge of the Berkshire Downs. A stream rising at one end of the village flows towards Letcombe Regis one-and-a-quarter miles away, and for some of the distance is used extensively for watercress cultivation. The population, which was two hundred and fifty in the '60s, had declined to two hundred at the time of the last census in 1931 and is now one hundred and fifty-eight. This figure comprises fifty families. Of the men, thirty work in the village, three as farmers, twenty as farm workers, two as trainers and five as blacksmiths and thatchers. Sixteen men leave daily for work outside the village, and twelve come into the parish to work as farmers, farm labourers and stable lads. Eight girls work in the small town of Wantage, three miles away, to which there is a bus service of three buses a day, four days a week. The main activities in Bassett are farming, race-horse training and the cultivation of watercress beds.

THE PLANNING OFFICER: extracts from Mr. T. Houghton's report to the North Berks Regional Planning Committee.

I should like to consider the alternative solutions to the question of housing in Bassett, namely:—

(*a*) Replacement of the houses within the present village; the drainage difficulty alone is to my mind conclusive against rebuilding in Bassett. Apart from this, I feel that social considerations militate against such a project.

(*b*) A new housing site on the higher ground above the village; there would be agricultural objections to taking such land for housing. It would be unfortunate from the landscape point of view. More important than this, however, would be the fact that there would still be nothing to offer the people in the way of communal facilities.

(*c*) Rehousing in Regis. The factors I have indicated seem to me to point directly to the advantage of building in Regis. It will be of benefit to Regis to increase the population there, and space exists which could be used for housing. The most costly public utility—sewerage—is already there. The primary school is there, and Wantage, the town to which the villages in this area must look for services the village cannot provide, is a mile nearer and more convenient to reach.

Bassett would, in effect, revert to a little group of farms with associated dwellings for











Top, left, the village pub at Letcombe Bassett, the Yew Tree, and right, the twelfth-century church. Centre, left, some of the cottages and the Nonconformist chapel which lie between the principal village street and the watercress beds. Bottom, left, some typical timber-framed cottages that stand on the fork of the road by the Rectory. Above, the old Rectory.

stockmen, etc., side by side with a few houses like the old Rectory and what might be termed "cottage retreats."

A TOWN PLANNER: an extract from Dr. Thomas Sharp's broadcast comments.

There are about one hundred and thirty-five people here. There's no school, there's no club, there's no playing field, no library, no women's institute, no resident vicar. There's one small wooden shop, a pub, and this old disused school—and there's nothing more except the houses, such as they are. But at Letcombe Regis, with its population of four or five hundred, most or many of these social institutions and amenities are available. Well, it's there that the authorities are thinking of building the houses to replace Bassett's slum.

AN ARCHITECT: report by Mr. George Fairweather.

A summary of conclusions reached after surveying sixteen houses representing the three categories of "habitability" as defined in the report of the Planning Officer to the North Berks Regional Planning Committee.

INTRODUCTION.—According to figures supplied by the Planning Officer, there are 51 working class dwellings in Letcombe Bassett. Of these, 12 are subject to Demolition or Clearance Orders, and 19 are in need of substantial repair; leaving a balance of 20 houses, including three farm-houses and eight comparatively new council houses, considered habitable in their present condition.

Mains water supply and electricity are available in the village, but existing arrangements for drainage are inadequate and unsatisfactory. Eight cesspools provide means of sewage disposal for some of the houses, but in most cases sanitation relies on the use of dry closets and soakaways for sink waste.

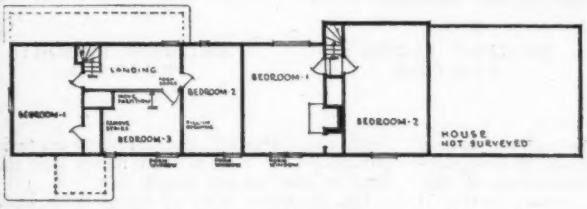
If a suitable form of drainage is to be provided for the village with its present population, pipes must be laid to carry the

Nos. 1, 2 and 3 Rectory Lane. This group of three houses is scheduled for demolition. It is of timber frame construction and suffers in part from disrepair. As will be seen from the plans of the existing building, the arrangement of the accommodation is inconvenient and inadequate for three tenancies. A scheme for conversion, proposed by Mr. George Fairweather shows how the same accommodation could be divided for two tenancies, providing enclosed sanitary facilities, improved lighting and ventilation, and several other improvements without alteration to the main fabric of the building. This scheme for repair and conversion would cost between eight and nine hundred pounds, and for this figure would provide two attractive houses.

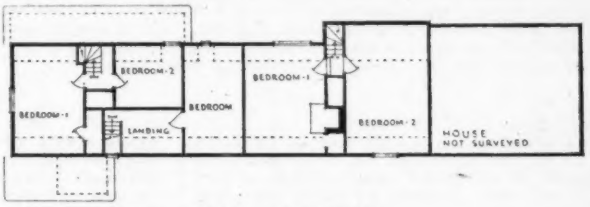




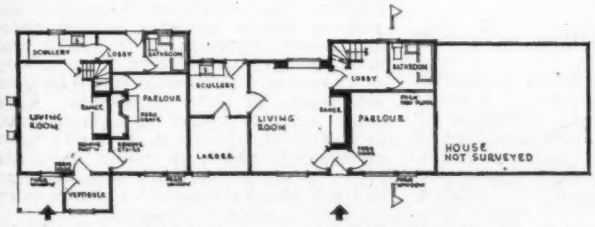
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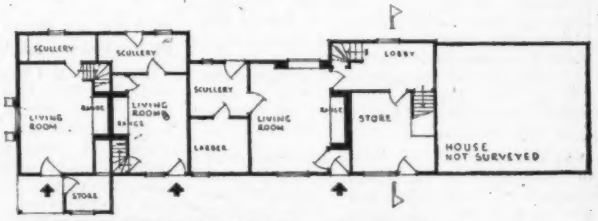
FIRST FLOOR PLAN: PROPOSED



FIRST FLOOR PLAN: EXISTING



GROUND FLOOR PLAN: PROPOSED [Scale: $\frac{1}{4}$"=1'0"]



GROUND FLOOR PLAN: EXISTING

sewage elsewhere for treatment. It is suggested that this might be achieved by following the line of the stream to join the system which already exists at Letcombe Regis, or alternatively that treatment and filter beds might be constructed in the grounds of the Old Mill. This last suggestion would cost about £8,000.

Most of the houses now scheduled for demolition or for substantial repair are occupied, and there is a demand for more houses in the village. Plans for the construction of new houses, including four cottages asked for by the Agricultural Executive Committee, and for reconditioning the 31 defective houses, are being held in abeyance while the arguments for and against a main drainage system are under consideration. It would appear that the fate of Letcombe Bassett as a village hinges to a large extent on the action to be taken in relation to the 31 scheduled houses. If the cost of reconditioning these houses, added to the cost of a comprehensive drainage system, is to be less than the cost of building new houses elsewhere to accommodate the displaced tenants, there would appear to be a good case for preserving the village and extending its development.

THE HOUSES.—A high proportion of the older houses are constructed of a braced timber framework with wall panels of wattle-and-daub or thin brickwork. Woodworm is widespread but has not yet begun to make a serious impression on the strength of the timbers. The structural framework is, in most cases, mechanically sound, and where it has failed repair would present little or no difficulty.

Wall panel fillings have, in some cases, been dislodged or otherwise damaged and need replacement, but where sound, tney appear to fulfil the main functions of enclosure. The protection they receive from the deep and low set eaves may account for the resistance of these thin panels to water penetration.

Roofs of the timber frame houses are generally thatched and in fair condition and repair.

Other houses are of brick or stone construction and roofed with slates or tiles. External brickwork is sometimes only half-brick thick and insufficiently weather resistant, particularly where not protected by deep eaves. In some cases the brick built houses are showing serious failures and need substantial repair. Where full brick thickness is used in the main walls, the houses are generally sound and weather resistant.

The houses are frequently built into rising ground, and being without damp proof courses, water penetrates the walls and collects on the floors where below ground. Brick construction is normal for the ground floors, and these have, in some cases, been surfaced with cement concrete. Comfort would be greatly improved by a tile or *in situ* covering of resinous or other composition material, and such a treatment could be easily applied.

Upper floors are of normal timber joist and boarded construction. They show serious sagging in some of the timber frame structures, but this is a characteristic rather than a sign of failure in the fabric. Internal wall and ceiling surfaces are generally of plaster, but in some cases timber linings are used.

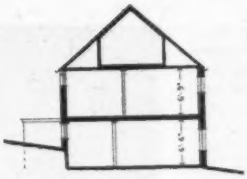
Windows are small in relation to the rooms they are intended to light. If the windows were enlarged, or if additional windows were formed in some of the more extreme cases, a greatly improved standard of habitation would be achieved.

Joinery work generally is of primitive design and construction, but is adequate in all essentials and easy to repair.

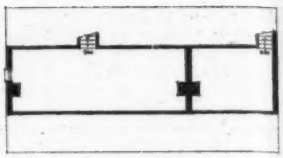
Ground floor storey heights vary between 6 ft. 6 in. and 7 ft. 0 in., with even less height under main beams. There would not appear to be any serious objection to such low ceilings on health grounds if the dampness present in some floors and insufficiency of ventilation were corrected.



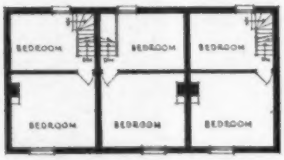
Some of the pre-war council houses.



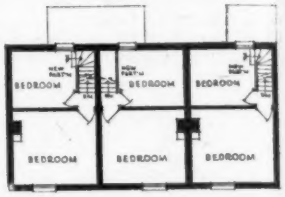
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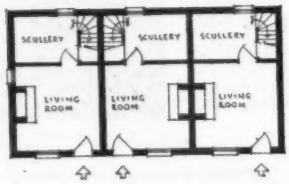


FIRST FLOOR : EXISTING

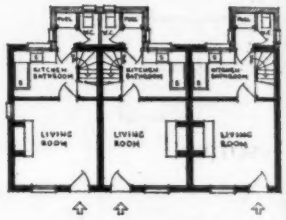


FIRST FLOOR : PROPOSED

Right, the suggested improvements to a group of three small houses in Filly Alley which would provide, at a reasonable cost, a standard of habitability comparable with modern requirements. These small houses are substantially built of brick-work with slate roof. As will be seen from the plans of the present building, there is no sanitary accommodation indoors. The scheme for conversion shows how this deficiency can be made good by means of a small back addition. This building is constructed into rising ground, and if this is to be corrected, a clearance may be excavated in the rising ground, or a damp proofing construction may be formed inside. Some enlargement of windows is desirable in this group and other minor improvements are possible at small cost. This scheme for repair, improvement and conversion would cost about six hundred pounds, and in return for this expenditure three attractive small dwellings would be spared.



GROUND FLOOR : EXISTING



GROUND FLOOR : PROPOSED

Each house has a large range in the living room and sometimes an additional open grate in one other room. One or two rooms, and sometimes all rooms, are wired for electricity, but many of the houses rely entirely on one or other of the more primitive forms of artificial lighting. Running water is brought into a few of the houses, but many rely on the service provided by upstands in the garden.

The absence of main drainage prevents the use of water closets, except where a cesspool is provided. Dry closets are therefore in general use.

CONCLUSIONS.—It is obvious that most of the houses in the village require a good measure of modernization and repair if they are to provide a standard of habitability comparable with modern standards. This does not mean that they need to be made to conform with present day building regulations, nor that they should be made like modern houses. A highly civilized mode of living can be provided within the limits set by the present construction and arrangement of the houses if intelligence is applied in their repair and conversion. Serious structural deficiencies have developed in very few of the houses, and these may justify demolition. The majority of the houses are capable of repair and conversion to a high standard of occupancy at a moderate cost, but the present absence of main drainage is good reason why this expenditure has not been made. Main drainage and full internal sanitary accommodation and equipment are indispensible, and if the houses of Letcombe Bassett are slums it is only because these commodities are absent. The other deficiencies detailed in this report are relatively unimportant, and can, in many cases, be easily corrected or modified. A brief survey of sixteen houses in the village suggests that the cost of converting and improving the buildings might average between £300 and £350 each dwelling, and that this expenditure will restore most of the present houses of the village to a relatively high standard of occupancy.

If the 31 houses scheduled as unsuitable for habitation in their present condition can be reconditioned and converted to the necessary standard for £350 each house, it would appear possible to add the cost of main drainage for the village to these costs and show a useful saving compared with the cost of building new houses for the 31 families that would be displaced if these houses were to be closed.

HOUSE CLASSIFICATION : a comment by Frederick Etchells.

The case of Letcombe Bassett is arresting and dramatic, and it provides a first-rate example on which to base a challenge to a bad system which is likely to do untold harm. It must not be forgotten that a similar attack, in varying degrees, is directed at every village in the country. One or two examples may make this clear. In a neighbouring village of some 450 people, out of a total of 102 dwellings of the kind affected, some 45 are "classified," that is to say, as things are, they are almost certainly doomed to ultimate destruction. In another village, of some 650 inhabitants, about 66 cottages are classified, and this is a village of an interest and beauty comparable to that of Letcombe Bassett.

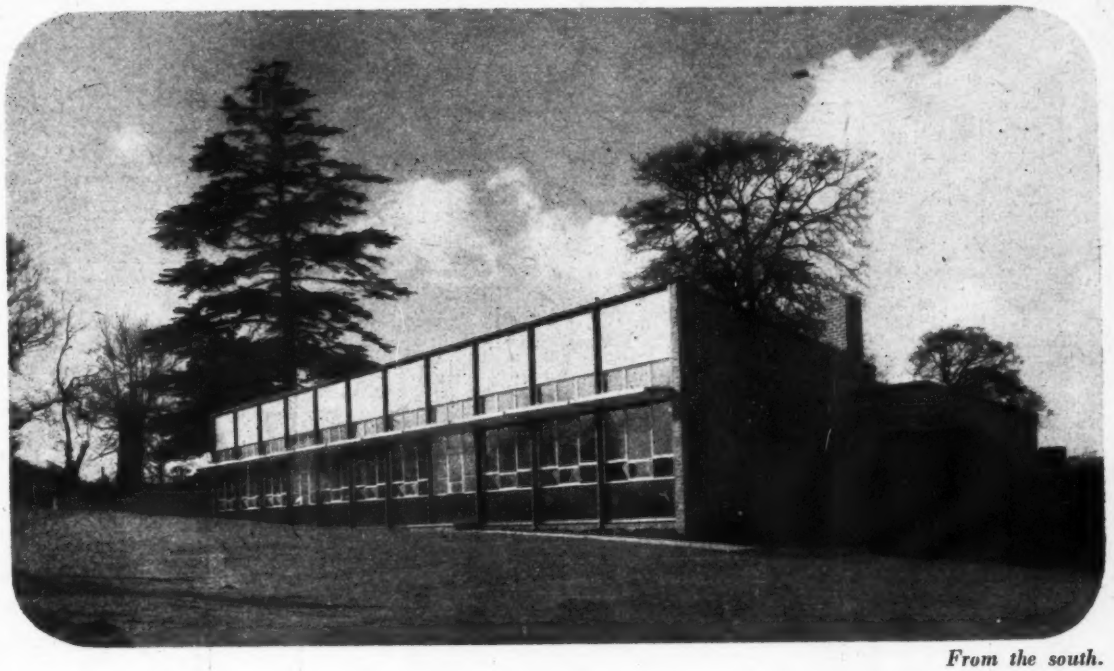
If, as is sometimes claimed, all this were merely a "stock-taking" of village housing as it exists at the moment, no one would complain; in trained and capable hands this would be an excellent thing. But this is not the case. The result is far more likely to be the pulling-down of valuable cottages at closely spaced intervals in the villages, leaving ugly gaps and a home for nettles or rubbish.

The procedure which leads to such unfortunate results is that a medical officer, followed by a local sanitary inspector, examines these buildings and "classifies" them in various categories according to their supposed structural condition and the supposed possibility of their repair and adaptation at a reasonable cost. I say "supposed" because neither of these two persons is qualified by his training to be in a position to make any pronouncement on these points. The mistakes made can be ludicrous. Obviously, under such conditions, no knowledge or imagination can be expected as to how such old buildings can be improved. If such advisers as I have described are employed, what of the wretched local authorities who are forced to rely on their rulings? Yet it is in such hands that the fate of our villages largely lies.

This disastrous state of things dates back many years, and we can be sorry for individuals placed in such an impossible position. The remedy, of course, is to use properly trained surveyors, working under the Ministry of Works for preference, and not a host of local amateurs. Such a body of trained surveyors should surely be quite independent of local authorities. They might well be grouped in regional areas, as a kind of "pool" to be drawn upon as required, and they would no doubt acquire a special familiarity with the types of building and the particular conditions of the area in which they served.

There are many thousands of "classified" dwellings all over the country, the majority of which are fundamentally sound and easily capable of being brought up to modern standards. They would be good for very many years to come, for a far longer period indeed than the 30 years mentioned in the new Housing Bill for the reconditioning of old houses. It is surely mere folly to throw away these potentially excellent homes, whose excellence is shown by the eagerness with which they are bought by discerning people whenever the chance occurs.

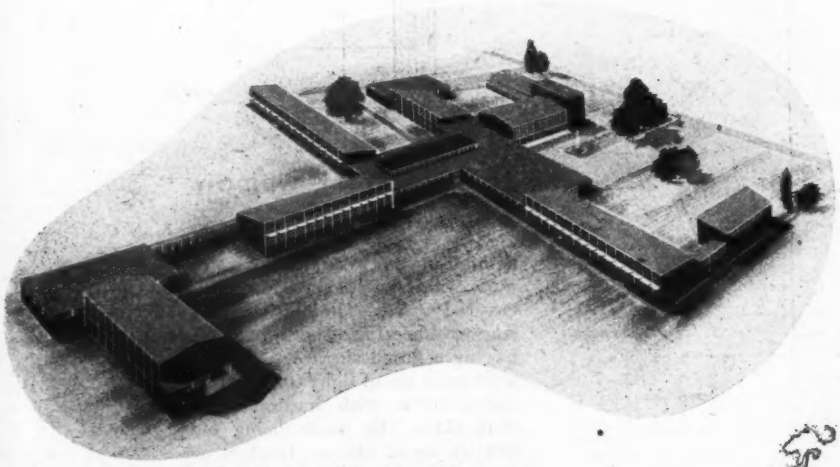
We have lately had the provisions of the proposed new Housing Bill before us, at least so far as these have been summarized in the Press. This is a most important measure which follows on a good deal of spade-work in recent years, much of which is embodied in the excellent Report of 1947 on "Reconditioning in Rural Areas." It is manifestly admirable in many of its provisions and greatly to be welcomed. But it is necessary here to point out one fact in particular which has a bearing on the arguments here put forward. The proposed Housing Bill appears to assume that the Ministry of Health shall continue to determine whether "houses are structurally sound and are capable of being made to provide satisfactory accommodation for 30 years," when, in fact, under the present system, the Ministry employs persons who are untrained and unqualified to determine these delicate technical points.



From the south.

CLASSROOM UNIT

DESIGNED BY ARCON

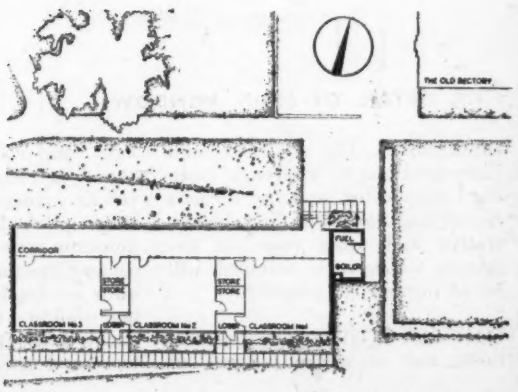


Above, a suggested school layout using the classroom unit. Below, the unit from the north-west.

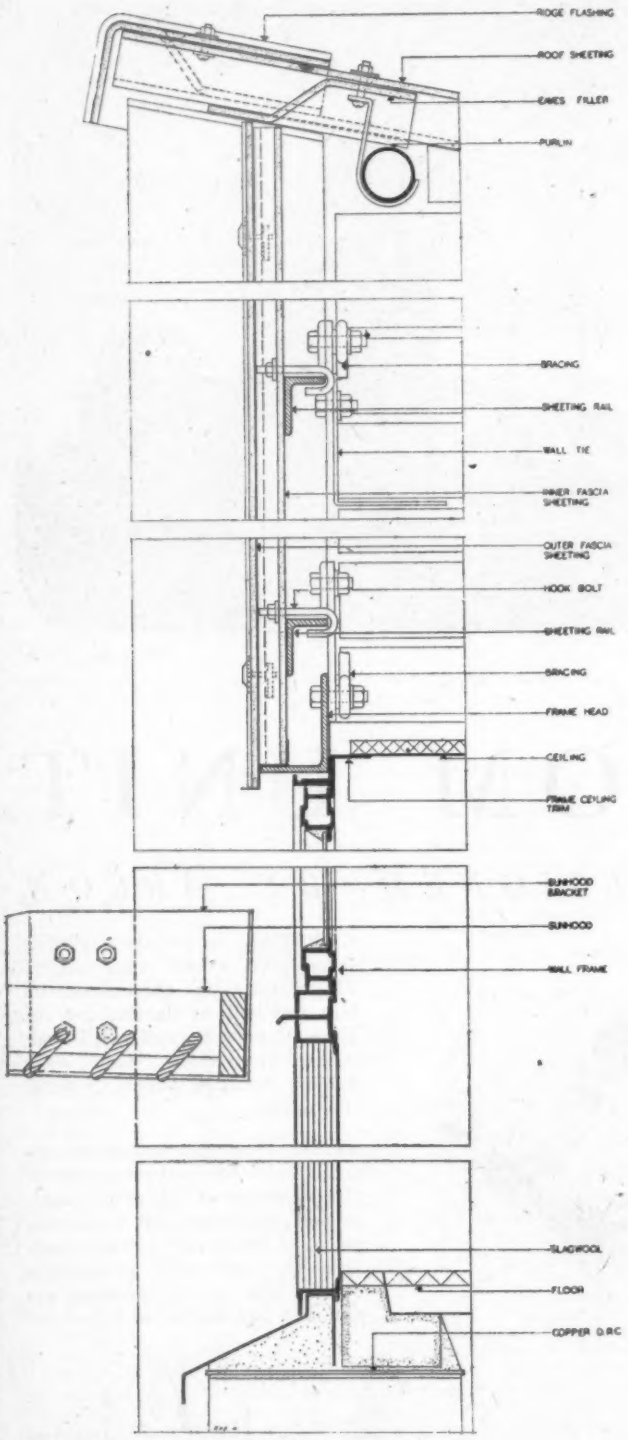


GENERAL.—A prefabricated unit system of school construction. This prototype three-classroom unit was built at Hatfield for the Herts County Council. It is considered that similar units, on a flat site, could be put up in about six weeks.

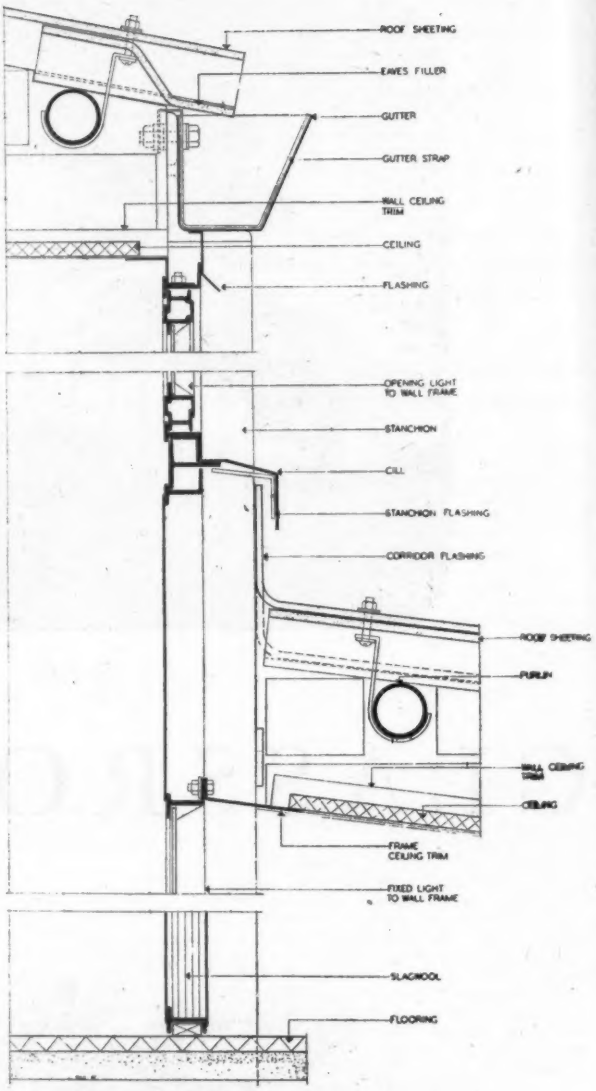
PLAN.—This unit system of construction embraces the main repetitive elements of school planning, namely, classroom (21ft. 0 in. span), practical rooms (27 ft. 0 in. span), assembly hall and gymnasium (40 ft. 0 in. span), retaining the common bay module of 8 ft. 3 in.



PLAN [Scale $\frac{1}{16}$" = 1'0"]



½ F.S. DETAIL OF MAIN WINDOW



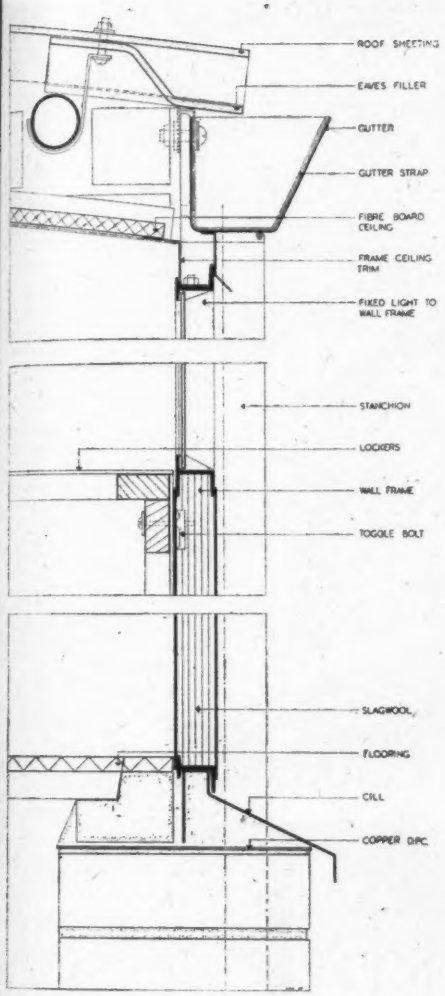
½ F.S. OF CLERESTORY WINDOW

throughout. The type of unit illustrated has its approach corridor incorporated, and this forms a connecting link with the administrative and other parts of the school, which it is assumed will be of normal construction.

CONSTRUCTION.—The classroom unit structure consists of light steel cold-rolled rectangular stanchions, supporting welded steel tubular trusses. These carry a single pitched roof, covered with domestic type corrugated asbestos cement sheeting. All external wall units are steel framed, incorporating windows and doors, the solid panels below the glass comprising two steel sheets with slag wool insulation between. Above the main windows the vertical space is covered with double asbestos cement sheeting, the outer face having a fluted surface. Partition wall units are of light timber framing covered with hardboard on both sides, the joints being hidden by wood fillets. Lockers are located on the wall in the corridor, and are made as standard units 7 ft. 0 in. long. Sound absorbent ceilings are provided at the tie-beam level of the roof trusses, consisting of fibreboard panels supported on light aluminium T-sections.

HEATING.—Rooms are heated by a patented under-floor system, incorporating composition block floor finish. By this means the rooms can be satisfactorily warmed.

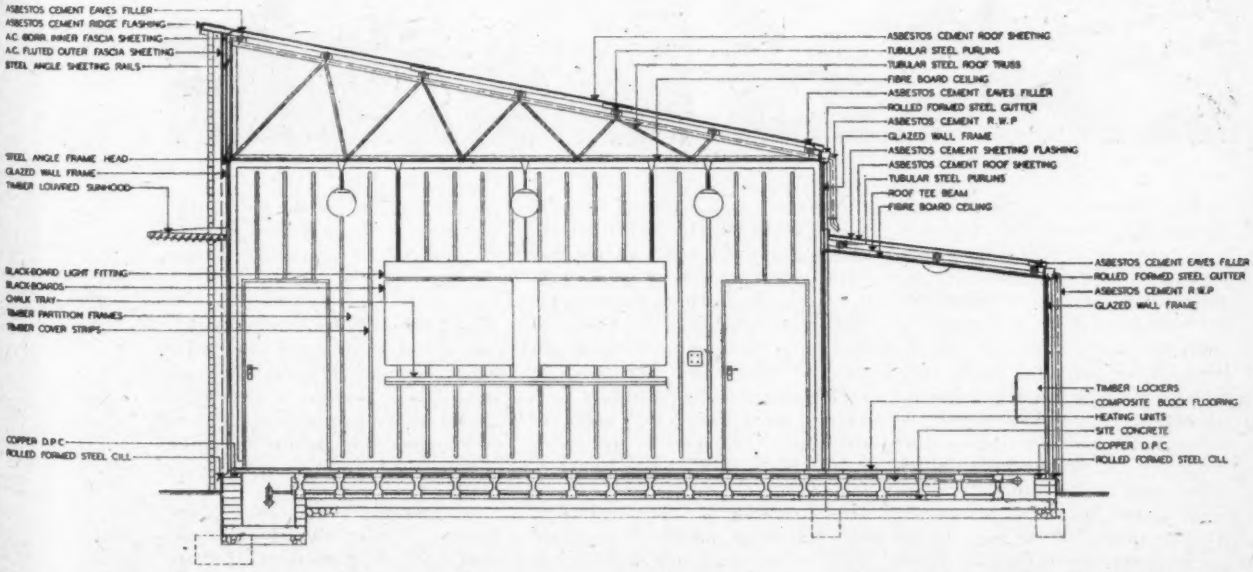
CLASSROOM UNIT AT HATFIELD



F.S. OF CORRIDOR WINDOW

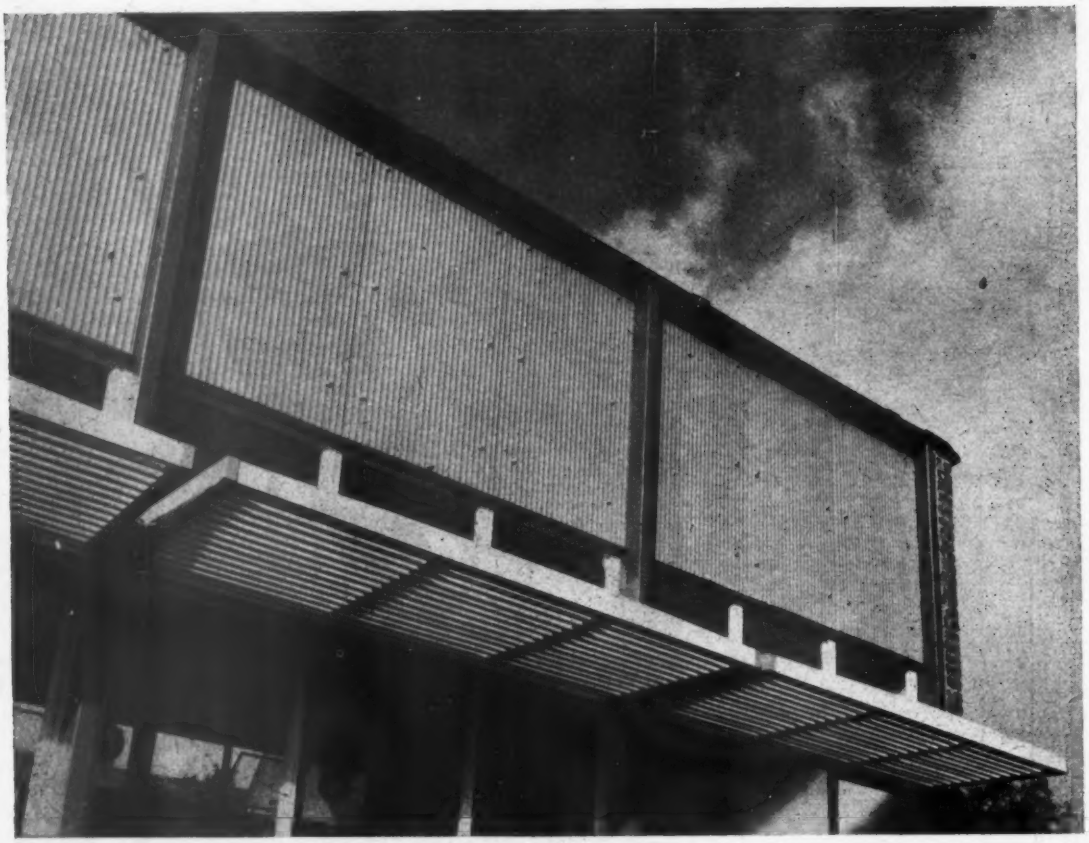


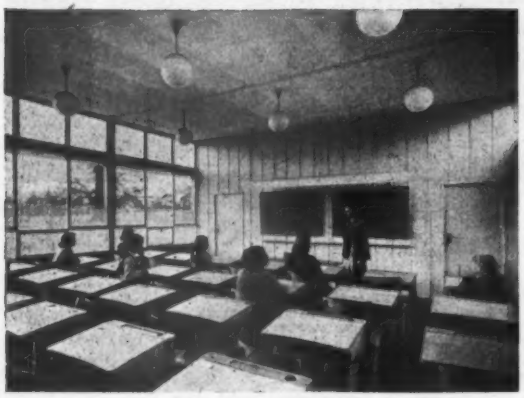
From the east



SECTION [Scale: ¼"=1'0"]

DESIGNED BY ARCON







Top, detail of the main window wall. Below, left, a typical classroom, right, the corridor.

without over-heating the floor surface, and a comfortable temperature maintained with a floor temperature of not more than 72° F. Sub-floor heating is extended into the corridor sufficiently to give a minimum temperature of 55° F. In addition to the above, this form of heating has the following advantages :—(*a*) No pipes or radiators are visible to collect dust and dirt (*b*) No special partition units have to be provided where pipes would normally penetrate ; (*c*) The whole of the installation can be carried out before the superstructure is erected ; (*d*) The south-east wall, being free of pipes and radiators, alternative glazing arrangements with low windows can be considered if necessary ; (*e*) As the heat generated is mainly radiant, a lower degree of thermal insulation in the walls and roof is necessary than with a system dependent mainly on convected air. The "U" value of the roof construction has been calculated at 0·27.

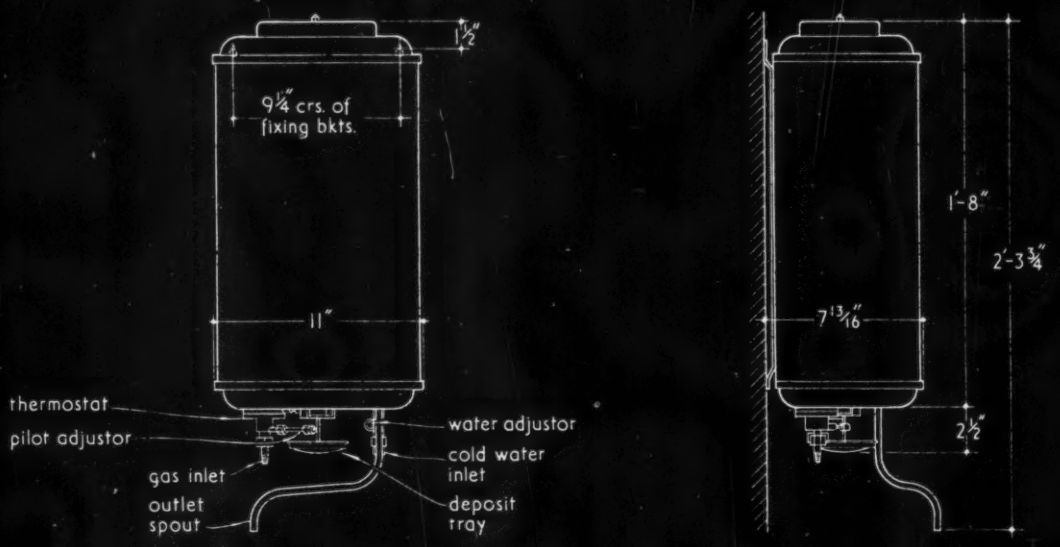
DAYLIGHTING.—The section of the classroom has been designed to give a minimum daylight factor on the north-west side of 5 per cent. This is achieved by totally glazing both external and internal corridor walls above a height of 3 ft. 7 in. and 2 ft. 8 in., respectively. Clerestory lighting and ventilation are obtained by windows above the corridor roof.

The general contractors were Messrs. Taylor Woodrow Construction Ltd. For sub-contractors see page 308.

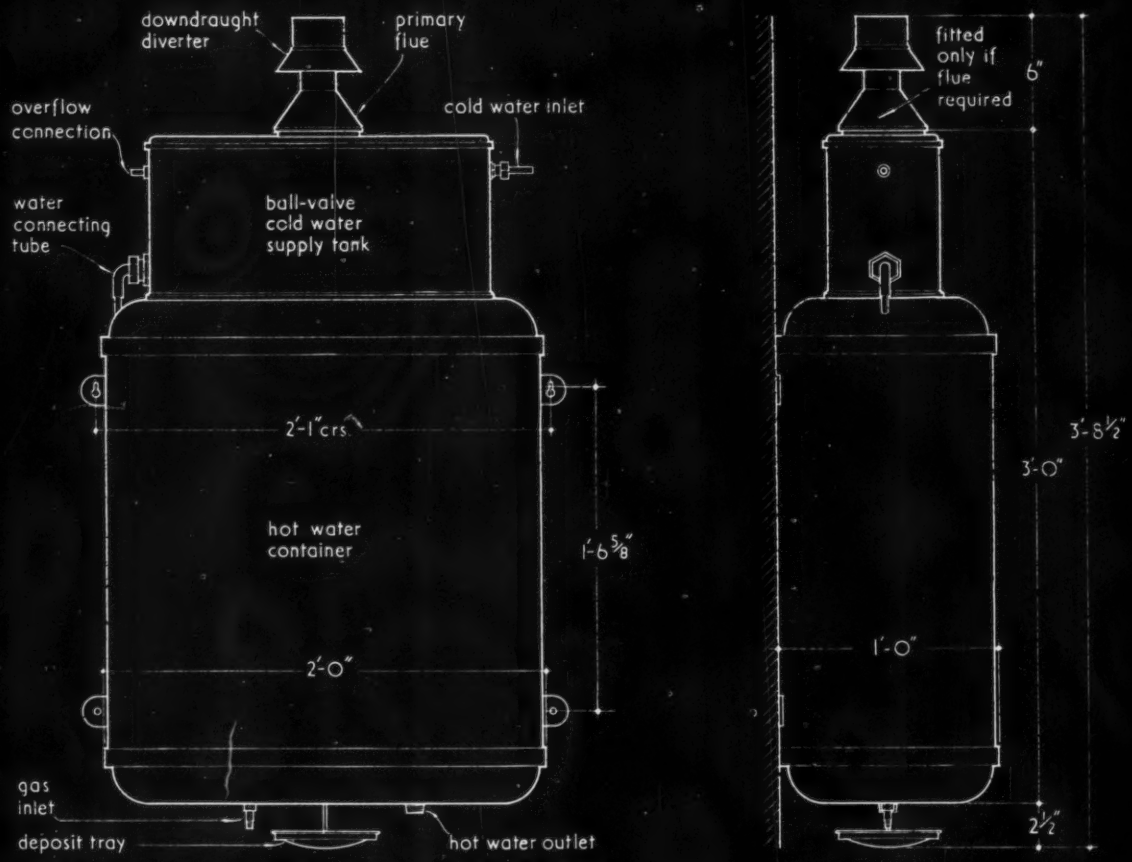
CLASSROOM UNIT : *BY ARCON*

WATER HEATING | UNITS | GAS

The Architects' Journal Library of Information Sheets 157. Editor: Cottereli Butler, A.R.I.B.A.



THERMAIN NO. 2 SINK STORAGE WATER HEATER.



THERMAIN NO. 15 MULTI-POINT STORAGE WATER HEATER.

·MAIN· GAS WATER HEATERS. Manufacturer: Main Water Heaters Ltd

32.C3 ·MAIN· GAS WATER HEATERS

This Sheet describes two types of Main storage gas water heater.

Thermain No. 2 *sink storage water heater:* This heater is designed to provide a single-point hot water supply to a kitchen sink for culinary and other household purposes or for toilet use at a cloakroom basin, etc.

Thermain No. 15 *multi-point storage water heater:* This heater contains a ball-valve tank and can provide the complete hot water supply to the average house or flat.

Characteristics

Type No. 2

Capacity: 2 gallons at 140° F.

Recovery rate: 20 minutes.

Input: 125 B.th.u./min., or 0·25 cu. ft./min. of 500 c.v. gas.

Type No. 15

Capacity: 15 gallons at 140° F.

Recovery rate: 8·3 gal./hr. raised through 90° F.

Input: 167 B.th.u./min., or 0·33⅓ cu. ft./min. of 500 c.v. gas.

Components

Outer casing: Sheet steel.

Heating body: Tinned copper water container through which passes a non-condensing heat exchanger.

Burner: Incorporates a flame-failure safety device.

Thermostat: This automatically cuts down the gas supply when the water is fully heated so that only sufficient is burned to maintain the water temperature.

Outlet spout (*type No.* 2 *only*)*:* Chromium plated spout, standard 6 in.; non-standard in any length up to 24 in. to order.

Ball-valve cold water supply tank (*type No.* 15 *only*)*:* Low (up to 100 lb./sq. in. water pressure) or high (above 100 lb./sq. in. water pressure) pressure ball-valve can be incorporated. The water pressure required should be specified when ordering.

Finish

Type No. 2*:* Cream enamel with black bands.

Type No. 15*:* White enamel with black bands.

Installation

Position—Type No. 2*:* Fix to wall with 1½ in. by No. 12 wood screws so that the outlet spout comes conveniently over the sink or basin.

Position—Type No. 15*:* The heater must be fixed with its base above the highest draw-off point and as high as possible on wall, using 2 in. by No. 12 wood screws, allowing room at top for fitting flue and at least 1 ft. 8 in. clear space below for removal of baffle.

Gas: Connection: ¾ in. taper B.S.P. male thread.

Stop cock: Must be fitted near the heater.

Supply pipe: See table 2 on page 18 of British Standard Code of Practice C.P. 331.103 (1947) *Gas Installation Pipes.*

Meter: Rated capacity to be not less than 20 cu. ft. per hour in addition to requirements for all other gas appliances.

Water—Type No. 2*:* Mains or tank supply is suitable.

Connection: ¾ in. taper B.S.P. male thread.

Stop cock: Must be fitted near the heater.

Water—Type No. 15*:* Fix direct to mains with ½ in. supply pipe.

Connection: ½ in. taper B.S.P. male thread.

Stop cock: Must be fitted in supply pipe.

Flue

Type No. 2*:* No flue is required.

Type No. 15*:* A flue connection to the outside air is normally necessary. In special circumstances, when the heater is fitted in a well ventilated room, a flue can be omitted by agreement with the local gas undertaking. The flue pipe should be 3 in. internal diameter, galvanised or vitreous enamelled steel or asbestos cement. See C.P. 331.104 (1947) *Flues for Gas Appliances.*

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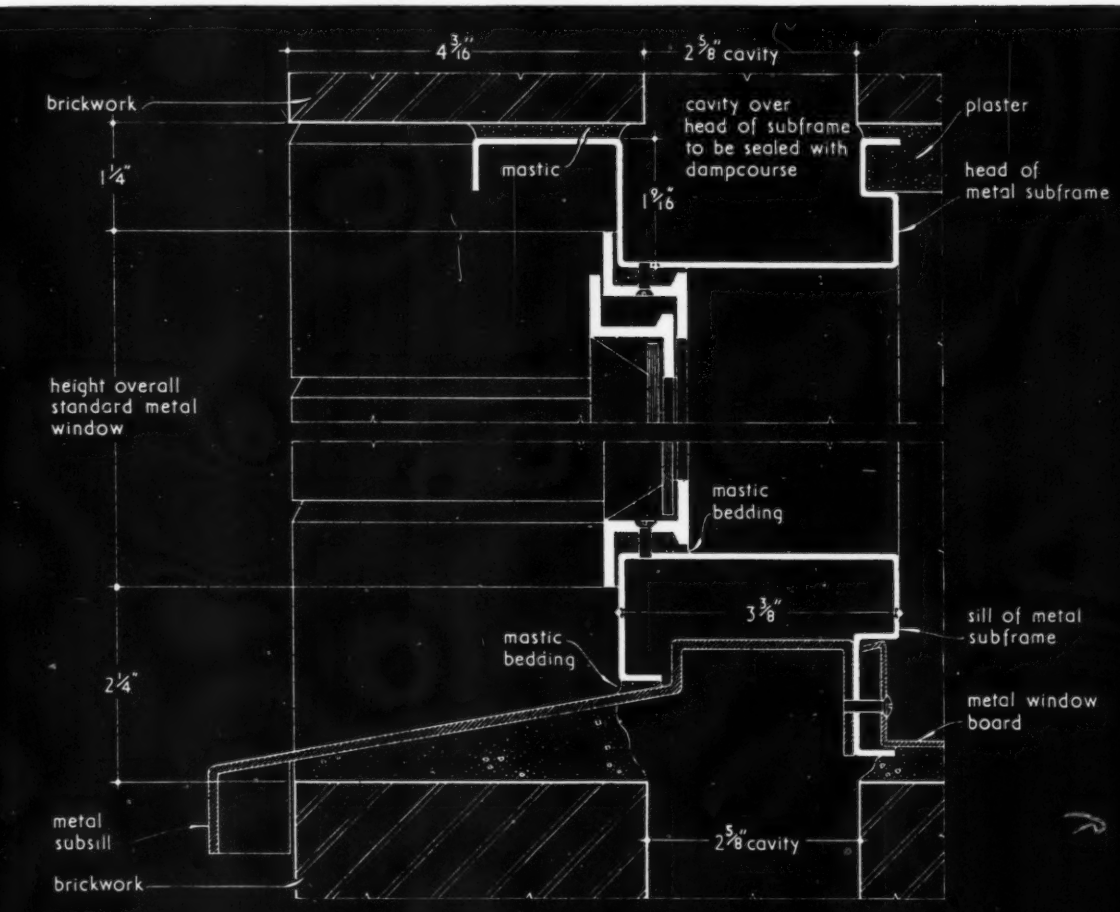
Main Water Heaters Ltd.

Head Office: 48, Grosvenor Gardens, London, S.W.1.
Telephone: Sloane 6241 (4 lines).
Telegrams: Gasmain Phone.
Works: Gothic Works, Thornton Road, Croydon, Surrey.
Telephone: Thornton Heath 2247.
Telegrams: Gothic, Croydon.

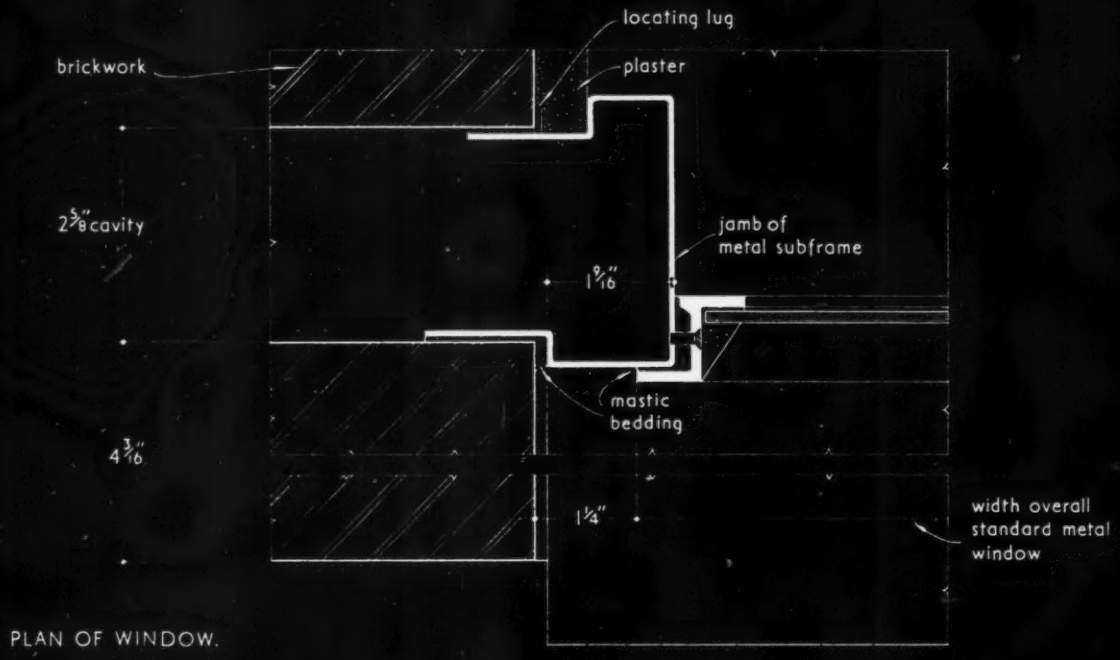
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WINDOWS | STEEL | APPLICATIONS

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SECTION THRO' WINDOW.



PLAN OF WINDOW.

STANDARD METAL WINDOWS WITH STEEL SUBFRAMES: FIXING TO 11" CAVITY BRICKWORK. (scale ½ full size)

Compiled from information supplied by The British Metal Window Manufacturers' Association Limited.

24.D2 STANDARD METAL WINDOWS WITH STEEL SUBFRAMES: FIXING TO 11 IN. CAVITY BRICKWORK

This Sheet gives details of fixing standard metal windows with steel subframes to 11 in. cavity brickwork. Sheet 24.C1 illustrates the method of specifying standard metal windows and Sheets 24.C2 and 24.C3 give standard sizes and types. Further fixing details will be given in subsequent Sheets in this series.

Brickwork Openings

It should be noted that where these subframes are used 3½ in. must be added to the total height and 2½ in. to the total width of the standard metal windows to determine the sizes of the actual brickwork openings.

British Standard

The metal window subframes, sill and window board shown are in accordance with B.S. 1422: 1948.

Compiled from information supplied by —

The British Metal Window Manufacturers' Association, Ltd.
Address : 2, Great Peter Street, London, S.W.1.
Telephone : Whitehall 9606.

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SOCIETIES AND INSTITUTIONS

Speeches and lectures delivered before societies as well as reports of their activities, are dealt with under this title, which includes professional societies, trade associations and government departments. To save space they are represented by their initials—see front cover. Lectures cannot usually be reported in full, but the extracts given are in the speaker's own words.

SCR

R. Jordan & P. Shepheard

March 17, at 14, Kensington Square, W.8. Papers read by R. Furneaux Jordan and P. Shepheard on WHAT KIND OF ARCHITECTURE DO WE WANT? to the Society for Cultural Relations with the USSR. The speakers were introduced by Professor W. G. Holford.

R. Furneaux Jordan: What kind of architecture does Britain want? If that question means what buildings do we need, then the superficial answer is that we need houses, factories, health centres, hospitals and schools. We can wait a little longer for theatres, stations, holiday camps, hotels, and similar buildings. In short, our cities are worn out, and the task of the twentieth century must be to rebuild those cities while preserving a few lovely relics of the past.

You will not expect me to describe the technique of a new architecture, nor to expand upon the administrative or political forms which will bring it about. And yet it is inevitable that in speaking of the nature of a contemporary architecture I should, in some sense, reveal the life, technique and political form of the society it will serve.

I must put before you two historical theses. Art forms, in any age, are the inevitable combination of the philosophy and technique of that age working upon each other; and the arts have only been supreme, vital and unified when that philosophy and that technique have been common to a whole people. If these two theses are true, then it is equally true to say that in England, and indeed in Western Europe, art has not achieved the kind of universal supremacy to which I refer at any time in the last four hundred years. Since you may think immediately of our fine eighteenth century mansions, with their furniture and painting; of Wren's vision of seventeenth century London; of the Paris of Louis XIV; of Bath, pleasure city of a Whig oligarchy; or of the great works of the Elizabethan Renaissance, then my statement may need a moment's examination.

From the year 1000 to the year 1500 art was both supreme and popular. Political and economic equality, as we understand the terms, were not dreamt of. They were unnecessary. The common philosophy that bound the world together was of a different kind.

This mediæval world was a high pinnacle in the story of popular art. Nevertheless, since its sanction was custom, magic and authority, and neither reason nor science, it contained within itself the seeds of its own death. Then an aristocratic art emerged from the corpse of the Middle Ages. It was a perfect, almost classic, illustration of the dialectics of materialism applied to art forms. All though Western Europe there came into being a new pathology of power arising out of new techniques and a new philosophy. A snob culture, classicism, was developed, together with a new art form; the country mansion, the great garden, the fashionable portrait, the tapestry, grand opera, incredible costumes and coaches, fine furniture and interior decor—in short the gilded and silken setting of the aristocracy.

Mediæval art had been both enjoyed and produced through all the levels of the feudal system. This new art had been produced by academicians for the entourages of a few hundred families.

It is William Morris who remains, for me, the most significant Victorian. Through art and his innate sense of craftsmanship, he eventually saw through the rotten cruelty of the urban capitalism which the nineteenth century had built upon the existing slave economy of the eighteenth century. Unlike Carlyle, Ruskin or Pugin, he saw that the great unity of mediæval art could only occur again when men shared a common philosophy and common technique. In middle life, despite his bourgeois background, Morris saw that this philosophy must be socialism: only at the end of his life did he see that the techniques must be those of the machine.

SOCIALISM AND THE MACHINE

Fifty years later we stand half-way to socialism and more than committed to the machine. What kind of architecture does Britain want? My digression into history has not been irrelevant, for from that digression we can draw conclusions. One is that we want more than an "architecture." A creative society wants a unified art form throughout the visual world. That art form, including architecture but excluding nothing, will be the inevitable art form of a society with a socialist philosophy, and it will be the inevitable art form which must spring from the techniques of scientific industrialism. It is only when we accept scientific industrialism as our technique that we shall achieve an art that is understood, and therefore enjoyed, by an industrialized people.

But how can one describe the whole visual world of a new society? All one can say is that in an art that will have at least one of its roots in the laboratory we may also be coming nearer to the mathematical perfection that was the essence of Greek art.

P. Shepheard: While I very much welcome the opportunity of discussing the subject I think it was wrong to put the title in the form of a question. There are several questions within the question. Who are *we*? Is there a kind of architecture we can have, however hard we want it, and however hard we strive for it? I think we shall get the architecture we deserve or which our efforts deserve, in any case, and to ask this question is to start revivals. All the nineteenth century revivals started from the assumption that there was one kind of architecture which was more desirable than another. Our twentieth century attempts at revival are all motivated by the same question and the same longing. So, indeed, is the present Soviet revival, but I think it is on a more scientific basis and is therefore more thorough. Not only has the Soviet Union asked itself what kind of architecture it wants; it has gone to considerable trouble and research to find out exactly what everyone thinks about it and what the popular reaction is. A similar effort made here is the Lyons' Corner House, an example of what the layman wants.

The question should be "What is good architecture?" That, of course, provokes other questions and raises the question of how the architect should go about his work.

THE ARCHITECT AND SOCIETY

There are two sides of the architect's relationship to his society. There is the technical and æsthetic one and there is the social and political one. It is necessary to keep these two distinct in one's mind if their value is to be assessed.

I think the work of any great architect shows that he can do his work although he is to a very large extent out of touch with the political and social requirements of his time. Even if architects want to address themselves to the social and political problems of their day, they are sometimes in a complete *impasse*, as in the case of an architect working in a country which is determined to sacrifice social progress to the preparation of an unnecessary war. But this is a political and not an architectural *impasse*, and calls, I think, for political and not architectural action.

The architectural profession is letting itself down in several respects which tend to widen the gap between the architect and his public. For example, architects in the past ten years have been committing to paper a lot of unrealistic schemes, particularly in the sphere of town planning, which are not sufficiently well thought out and have done an enormous amount of damage to town planning. Then architects have æsthetic preoccupations. There is hardly any architect one can talk to but who has not some bad things to say whether it be about flats or houses or garden cities, and so on, into prefabrication. Again architects are out of touch with the other arts. Many architects know nothing of music or sculpture or painting, not to mention science; and many have no desire to be different.

What constructive suggestions can one put in the balance to narrow the gap between the architect and the people? First of all, of course, architects must learn their job, both historically and technically—and in relation to society, to established technique. The other thing I would appeal for is æsthetic humility. All this æsthetic activity is essentially arrogant and, of course, personal determination and assurance are essential. At the same time, one ought, I think, to be extremely humble about one's stylistic claims and about one's technical achievements. Of almost equal importance for us is that architects must organize their practice in relation to the public and their clients, in order to keep architecture in sight.

The architect should not, I think, discuss whether private or public practice is the most useful way of serving the community. There is no problem there. He should pay attention to how he can best serve his clients.

Having said all that, I would ask what kind of architecture we should get. I think we should get a style. We all appear to be lost at the moment, but artists working in any age have felt lost. When we look back to 1900-1910 we find the architects working in every kind of style and no doubt all lamenting the absence of a unified style. And if we could look back on 1950 architecture from the year 2000 it would look much more homogeneous than we might expect.

D

INFORMATION CENTRE · INFORMATION SHEETS
QUESTIONS AND ANSWERS · CURRENT TECHNIQUE
THE INDUSTRY · PRICES · TECHNICAL ARTICLES

TECHNICAL SECTION

A digest of current information prepared by independent specialists; printed on one side of the paper only, to allow readers to cut out the items for filing and paste them up in classified order. Headings below.

INFORMATION CENTRE

1 SOCIOLOGY. 2 PLANNING: General. 3 PLANNING: Regional and National. 4 PLANNING: Urban and Rural. 5 PLANNING: Public Utilities. 6 PLANNING: Social and Recreational. 7 PRACTICE. 8 SURVEYING, SPECIFICATION. 9 DESIGN: General. 10 DESIGN: Building Types. 11 MATERIALS: General 12 MATERIALS: Metal. 13 MATERIALS: Timber. 14 MATERIALS: Concrete. 15 MATERIALS: Applied Finishes, Treatments. 16 MATERIALS: Miscellaneous. 17 CONSTRUCTION: General. 18 CONSTRUCTION: Theory. 19 CONSTRUCTION: Details. 20 CONSTRUCTION: Complete Structures. 21 CONSTRUCTION: Miscellaneous. 22 SOUND INSULATION, ACOUSTICS. 23 HEATING, VENTILATION. 24 LIGHTING. 25 WATER SUPPLY, SANITATION. 26 SERVICES, EQUIPMENT: Miscellaneous. 27 FURNITURE, FITTINGS. 28 MISCELLANEOUS.

2.74 planning: general
DEVELOPMENT PLANS: NOTATION

Town and Country Planning (Development Plans) Regulations, 1948: Statement on the Preparation of Development Plans with an Appendix Containing Notations for the Prescribed Maps. Circular No. 59, dated Dec. 13, 1948. Ministry of Town and Country Planning. (HMSO, 1948. 6d.)

Important document referring to Statutory Regulations issued July, 1948 (see 2.57:14.10.48). General statement on nature of obligation of local planning authorities to prepare plans within three years of appointed day. Notes on maps prescribed by regulations. Appendices setting out map notations. Four illustrations.

This circular describes the minimum requirements which county boroughs and county councils are expected to comply with in order to discharge their obligations under the Town and Country Planning Act, 1947, for the preparation and submission of development plans within three years from the appointed day, July 1, 1948. County boroughs should submit a basic (town) map, 6 in. to 1 mile, a programme map to the same scale, and a written statement. County councils should submit a basic (county) map, 1 in. to 1 mile, or larger if required, town maps, programme maps for the county map and the town maps, and a written statement.

With regard to county council town maps the circular suggests that the kinds of area to which it is expected that particular consideration is given are (1) the principal towns of the county, (2) areas whether or not already built-up in general character, where substantial development is likely to take place before the development plan is reviewed, and (3) county areas on the fringe of county boroughs.

The second part of the circular is devoted to detailed descriptions of the maps prescribed by the regulations and covers in the main the extent of the proposals to be shown. A third section deals with some general matters.

The Appendix to the circular sets out the notations which are to be used in the preparation of the plans. It is stated that all development plan maps should be submitted on ordnance maps brought up to date, or on sheets based on ordnance maps. Wherever possible use should be made of the National Grid for the purpose of site identification in the written statement. The notation with coloured key should be attached to all maps, the colours being those specified in Circular No. 29 (see 2.19: 9.10.47). Illustrations are given showing basic maps in relation to maps to larger scales, and there are seven loose plates attached tabulating particulars and proposals in regard to each major type of map such as programme map for comprehensive development area; programme map for basic maps; street authorization map; designation map; comprehensive development area map; county (basic) map; and town (basic) map.

13.38 materials: timber
PLYWOOD: QUALITY

British-made Plywood for Building and General Purposes. BS 1455:1948. (British Standards Institution, 3s.)

Defines quality and testing for "Interior" types and for two grades of "Exterior," the "Weather-resistant" and "Weatherproof." Does not include plywood graded for stress requirements nor plywood with decorative veneers.

13.39 materials: timber
CRACKING OF VENEERS

Cracking of Decorative Veneer laid on Plywood. J. F. S. Carruthers. (Wood, December, 1948, pp. 344-346.)

A report illustrated by photographs and tables, of a series of tests carried out by the Forest Products Research Laboratory.

All cases of cracking examined had taken place where the decorative veneer had been laid with its grain running parallel to the surface veneer of the plywood. This obviously indicated that the veneer should be laid perpendicularly to the plywood—however, sizes in which the materials are delivered often dictate that the grains must lie parallel, and therefore tests were carried out to find means of minimizing the consequent risk of cracking.

It appears that recognition of three major factors influencing cracking arose from the investigations; firstly, that it was possible to pre-shrink the plywood to a low moisture content before veneering so that subsequent expansion would build up a stress tending to compress the fibres of the veneer. Secondly, that cracking was more likely to take place with a hot-setting rather than a cold-setting adhesive. Thirdly, it was seen that there was an optimum figure for the relation between the initial moisture content of the plywood and veneer when the two were combined and the moisture content to which the wood was subsequently dried.

18.23 construction: theory
PRE-STRESSED CONCRETE

Pre-stressed Concrete. (Building Digest, Jan., 1949, pp. 1-19.)

Series of articles on pre-stressed concrete.

The January issue of "Building Digest" contains several articles on pre-stressed concrete. A short leader draws attention to the merits of this method of construction. An article by C. W. Glover explains the advantages of pre-stressed concrete and the principles of design. A further article by the same author is an extract from specification of work for pre-stressed concrete. Abstracts from foreign periodicals illustrate various applications on the Continent and USA.

Mr. Glover's article contains a number of inaccuracies. In Fig. 8, illustrating the stress distribution, the top fibre stress, due to pre-stressing only, should have been shown as tension and not as compression. In Figs. 9, 10, 11, the stress distribution at failure is based on the standard method, although it is now well known that the concrete stresses at failure do not follow a straight line. Fig. 14 shows a similar increase of strength with age for rapid hardening cement as for normal Portland cement. In the case of rapid hardening cement the development of strength is much quicker at the early ages, but much slower at later ages, than in the case of normal Portland cement.

20.114 construction: complete structures
SINGLE STOREY FACTORY

The Single Storey and the Rigid Frame. F. R. Bullen. (The Structural Engineer. Jan., 1949, pp. 1-19.)

Comparison of various forms of steel structure for single storey factories.

The purpose of the paper is to investigate the relative merits of traditional roof trusses, north light roofs and rigid frame construction for single storey factories of about 50 ft. column spacing. Five types of structure are included and their steel consumption and costs per sq. ft. of floor area are compared.

One definite conclusion is that the north-light form of construction is much more expensive than any other so that unless the direct rays of the sun are definitely detrimental, it is difficult to justify such a form of construction.

Regarding the weight of steel, the older form of pitched roof appears to have a slight advantage, and it is cheaper if only the steelwork costs are considered. On the other hand, the low pitch design utilizing a "pepper-pot" roof covering is cheaper in heating installation cost, and the net effect on the costs appears to be that the two forms of construction are evenly balanced.

An important factor in favour of the rigid frame is the increased headroom available. If the various systems are compared on the basis of equal headroom, the rigid frame construction allows a lowering of the eaves level by at least 2 ft. with a corresponding saving in the external walls all round. This seems to tip the balance in favour of the rigid frame, the æsthetic advantages of which against the maze of members of the normal roof are beyond doubt.

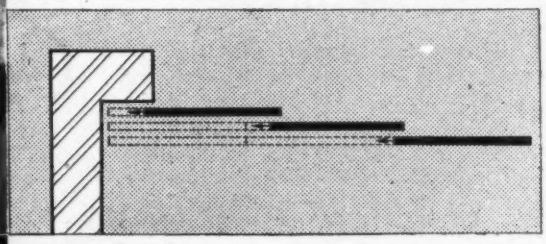
20.115 construction: complete structures
RIGID FRAME SPANS 200 FT.

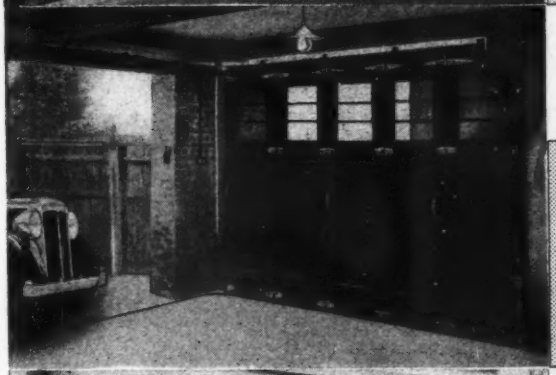
Rigid Frame Transit Shed Spans 200 ft. (Engineering News-Record [USA], Dec. 23, 1948, pp. 56-7.)

Thirty-two all-welded two-pinned rigid frames of 200 ft. span form 1,152 ft. long

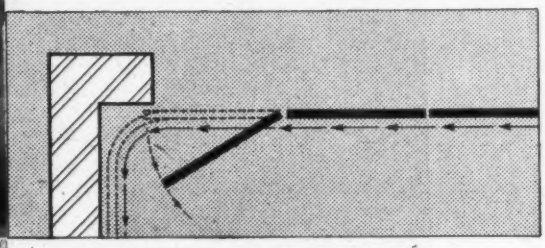


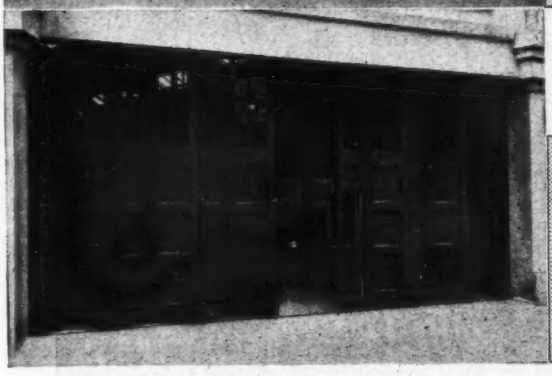
Should they simply slide?



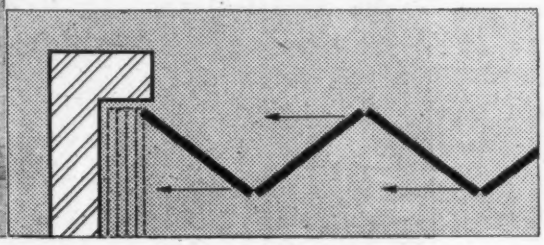


. . . slide round the corner?





. . . or slide and fold?



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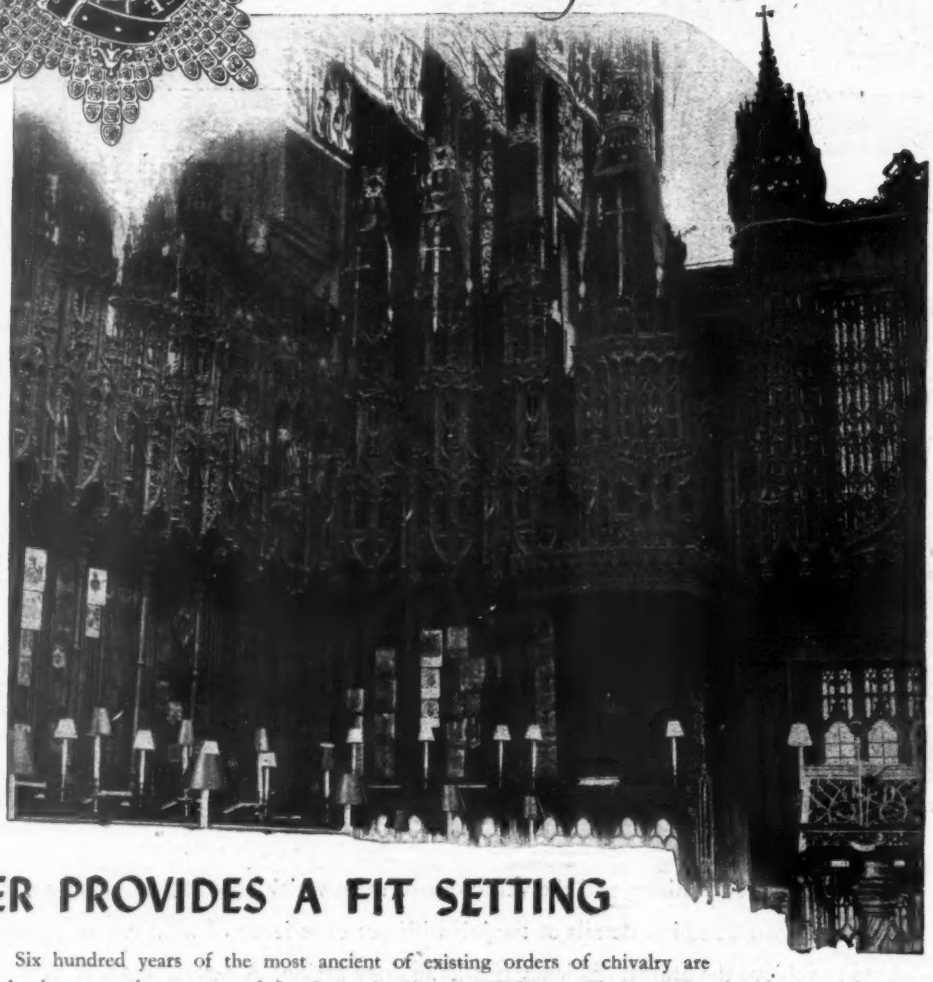
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transit shed at Port of Long Beach, California.

The 200 ft. long frames weigh 42 tons each. They were delivered to the job in five parts and laid flat near their final position. About 70 per cent. of the welding required to connect the five sections was done before erection. This was enough to hold the frames together during erection and avoid any overhead welding. Three truck-cranes supporting the frames at the centre and near the two outside edges were used to set them in place.

The external walls of the shed are 8- and 10-in. thick cast *in situ* concrete. The roof cover is of wood sheathing, treated for fire resistance with chromated zinc chloride.

21.27 construction: miscellaneous
SCAFFOLDING

A Comparison between Aluminium Alloy & Steel Tubular Scaffolding. Report by J. W. Laing. (National Builder. Jan., 1949.)

This first report by Mr. J. W. Laing to the National Federation of Building Trades Employers gives considerable detail in comparing usefulness and cost of the two types of scaffolding. A further report is to follow.

23.95 heating and ventilation
GENERAL TEXTBOOK

Heating & Air Conditioning Equipment for Buildings. F. Burlace Turpin. (Sir Isaac Pitman & Sons, Ltd., 1948. 30s.)

A general textbook on heating and air-conditioning written by a heating engineer for architects. A useful book.

Unlike so many books on heating and air-conditioning, this one is quite clear, in its objectives. The author limits himself to giving general information which he considers of value to architects. He is successful in that the text is reasonably free from highly specialized technical terms and some information is of a type not to be found elsewhere. Unfortunately the book suffers enormously from the style of writing. Long and almost meaningless sentences abound and are a constant source of irritation to the conscientious reader who wants to get at the useful information without being bothered by platitudes.

It is to be hoped that this book will run to a second edition, and that something can be done to make it as good as it could so easily have been.

24.107 lighting
COLOUR FOR SAFETY

Colour Coding System for Hazards. (Architectural Forum, December, 1948, p. 112.)

Code for New York City Transit System; 42 per cent. reduction in accidents claimed. Illus. 2 photos.

This note briefly describes the use of Birren's ideas on colour for safety in the shops of the New York transit system. Yellow, orange, and blue are the colours used, yellow for "strike-against" hazards, stumbling, falling, etc., orange for dangerous parts of cutting edges, and exposed wires, and blue for switchboxes and controls where caution is needed. These colours are said to be readily distinguished by most colour blind people.

The report claims a drop in accident rate of 42 per cent. It is not clear whether all of this is attributed to colour treatment, or part to a training programme associated with it.

24.108 lighting
LOW VOLTAGE SWITCHES

Low Voltage Switching System. (Architectural Forum, December, 1948, p. 109.)

New low voltage switches; cheaper wiring; greater safety. Illus. diagrams and photographs.

Hailed as the year's most interesting lighting development, this new technique of control apparently offers considerable economies and other improvements to users in the USA. Magnetic relay switches are fixed at the light outlet to control the supply of power (120 volts in USA), and the relay itself is operated by 25-volt wall switches which get their lower voltage supply from a small transformer somewhere in the system.

There are several important advantages. Wiring costs are much reduced (the wiring is what you would use for a doorbell), and it is easy and cheap to control an outlet from any of several points. Protection for the cable is seldom needed because the low voltage cannot cause any harm even if it is shorted. Wall switches are much smaller and do not have to be mounted in large boxes. And there is no risk of shock, for instance in a bathroom.

This opens out very extended possibilities of remote control, which are explored in this article.

25.68 water supply and sanitation
AIR HYGIENE

Methods of Maintaining Bacterial Purity of Air. R. E. O. Williams. (Heating & Ventilating Engineer and J. of Air Conditioning. Jan., 1949.)

Specialist article but of general interest. Discusses methods of purifying air by filtration, ventilation, electrostatic precipitation and dust-suppression.

27.11 furniture and fittings
FIXINGS

Fixing Accessories for Building Purposes. BS 1494:1948. (British Standards Institution, 5s.)

A useful collection of standards for a variety of fixings such as hook bolts, pipe clips, lewis bolts, etc.

This feature answers any question connected with building confidentially and free of charge. Questions to the Technical Editor, The Architects' Journal, 9, 11 and 13, Queen Anne's Gate, S.W.1.

QUESTIONS AND ANSWERS

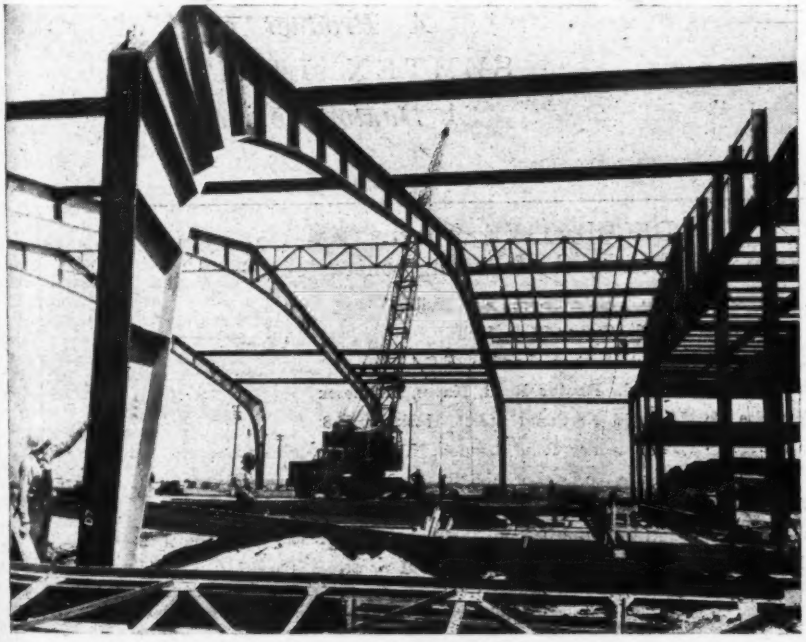
2983 CUBING OF BUILDINGS

Q *Can you inform us whether the brochure on the cubing of buildings brought out by the Practice Standing Committee of the RIBA is still available? This work was referred to in the RIBA Journal of September, 1927, and also quoted in J. T. Rea's "How to Estimate."*

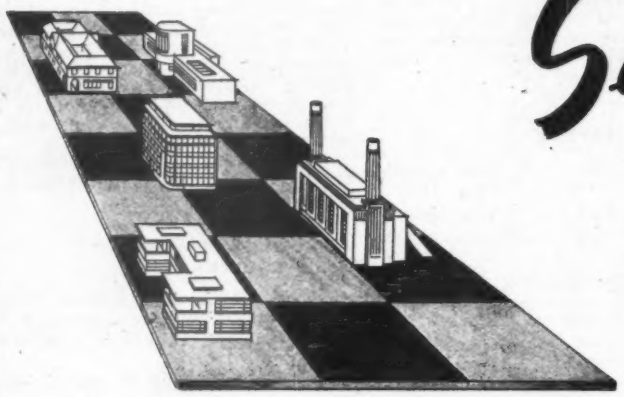
We understand that this publication was revised annually, but feel that due to the war it may possibly have been discontinued or replaced.

A The pamphlet referred to is not available. Briefly it laid down that the measurements on plan should be taken from the outer faces of external walls and that the area should be multiplied by the height taken from the top of the concrete foundations to 2 ft. above flat roofs or half way up pitched roofs; projections such as chimney stacks, etc., had to be measured and added to the cube.

This method was not agreed in some respects by the Central Land Board, and a new method has now been agreed, details of which appeared in the RIBA Journal for March 25, 1949. It is not yet clear whether the new method will supersede the old one for all purposes.



Welded steel rigid frames used for construction of loading shed, USA. *See* 20.115.



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Government of Ontario Air Emigration Offices
Imperial Chemical Industries Limited
Lever Bros. and Unilever Limited
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Horsley Smith & Co. (Hayes) Ltd., Dawley Road, Hayes, Middlesex
Pilkington's Asphalte Co. Ltd., 68 Northiam Street, Hackney, E.8
Semtex Ltd., 185, 187, 189 Finchley Road, London, N.W.3
The Alba Flooring Co. Ltd., West Arthurlie Works, Lochlibo Road, Barrhead, Glasgow
The Limmer & Trinidad Lake Asphalt Co. Ltd., Steel House, Tothill Street, Westminster, S.W.1
The Penmaenmawr & Trinidad Lake Asphalt Co. Ltd., National Bank Building, Fenwick Street, Liverpool, 2
The Western Trinidad Lake Asphalt Co. Ltd., Asphalt House, St. Mary Street, Cardiff

9SE/D7

This feature covers both the production and marketing of new materials and designs of equipment, as well as the general trend of developments within the Building Industry.

THE INDUSTRY

By Brian Grant

METHODS OF FINISHING

There is to be an Industrial Finishes Exhibition this autumn at Earl's Court, from August 31 to September 13. From the designer's point of view it should be of considerable interest, in that consumer goods, especially for the export market, have to stand up to many and varied atmospheres and, once the finish goes, any article, no matter how well designed or made it may be, inevitably looks shoddy. Now it is quite obvious that the design of any article may have to be modified to suit the type of finish chosen, and the designer should therefore be reasonably familiar with all the currently available finishes and the specific purposes for which they are suitable.

The Exhibition itself will consist not only of samples of the finishes themselves, but manufacturers will also be encouraged to show the materials and plant used in the various processes. In addition, there is to be a central technical exhibit, sponsored by the exhibition organizers and arranged by a technical advisory committee which is to deal impartially with all aspects of finishing.

I gather that the whole show was originally inspired by the Council of Industrial Design, who were interested in the relationship between the design itself and the finish applied to it. After some preliminary spadework, the CID passed the idea over to the industries particularly concerned with finishing, and the scope of the whole show has since been considerably widened. Since the exhibition appears to have the approval of most of the development associations and the various industries concerned, it looks as though it should be a good show. Make a note of the dates. (*Industrial Finishes Exhibition Ltd.*, 26, *Old Brompton Road, London, S.W.*1.)

WARERITE PRICES REDUCED

Technical improvements in the production of Warerite decorative laminated plastics are announced simultaneously with considerable reductions in the price of all standard grades. Improvement in production techniques has made possible reductions in price amounting, in some instances, to as much as 30 per cent. of the previous list price. The technical advances in surface hardness and new textile patterns are of comparable importance; all Warerite patterned materials will now have a surfacing of exceptional hardness. The new patterns just introduced are fine and open "weaves" in a pleasing range of colours. (*Warerite Ltd., Ware, Herts.*)

WINDOW HINGES

Hope's standard windows are now fitted with a new pattern friction hinge which holds the casement firmly in any desired position without the usual peg stay. The hinge consists of two leaves, of 8- and 10-gauge steel, hot-dip galvanized and electrically welded to the window. The inner leaf is curled to receive the hinge-pin, which is a loose fit in the curl. The outer leaf has two flat knuckles, which squeeze the inner leaf between them; stainless steel washers are interposed above and below the inner leaf to reduce wear. The hinge-pin is a sherardized bolt with a nib under the head which fits in a nick in the outer hinge leaf; the bolt is fitted with the head uppermost. By tightening the nut the two parts of the outer leaf are pinched together and bear hard on the stainless washers and the curl of the inner hinge. When the window is opened or shut there is friction between the inner and outer hinge leaves and the stainless steel washers. The friction in the hinge is provided by two rubbing surfaces, one above and one below the inner curl, and the head of the bolt and the nut both bear on the outer leaf of the hinge, which does not move. As the head of the bolt is anchored by its nib, the bolt, leaf, and nut all act as a single unit, and there is thus no tendency for the adjustment to work loose, an all too common fault with many types of friction hinge.

The setting of the hinges is comparatively simple. The nuts of both hinges are slacked off until the window moves quite freely; one nut is then tightened until the friction is about half what is finally required. In the works this is done by hooking a spring balance to the window handle and tightening the nut until the balance shows a pull of 3 lb. The second hinge is then tightened until the balance reads 6 lb. In practice it has been found that, if these friction hinge windows are accidentally left open in a gale, the window will move in a series of short gentle steps, and there is no danger of slamming.

This seems a sensible development, for the ordinary stay is frequently a nuisance, as nearly everyone keeps plants and odds and ends on the window sill and they are very often swept off when the window is moved. (*Henry Hope and Sons Ltd., Smethwick, Birmingham*, 40.)

ALUMINIUM CASTING ALLOYS

Renfrew Foundries, an associated company of the Almin group, have just issued a useful booklet on aluminium casting alloys. Details of the composition and properties of the various alloys are naturally provided, but the problem of choosing a suitable alloy is also tackled from the consumer's end, with a list of uses and suitable alloys.

From the designer's point of view perhaps the most useful section is the 8 pages devoted to the design of castings, where a series of clear diagrams and explanations not only show what to avoid, but also how the design may be modified to make things easier for the foundryman. A good piece of work to be filed for reference.

Incidentally, I am delighted to record that Col. Devereux, the managing director of the Almin group, recently made to the Institute of Metals the first realistic remarks on the corrosion of aluminium I have so far heard in public. So much so that I cannot resist two brief quotations.

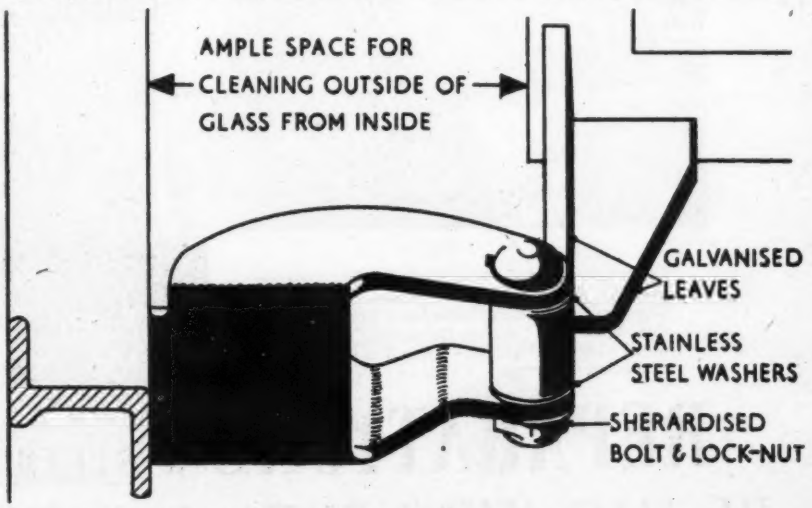
"I have read many papers in recent years written by metallurgists and mostly addressed to engineers, architects and builders. Most of these have dealt at considerable length with corrosion. Very often this section consists of a long list of 'do's' and 'don'ts'—mainly 'don'ts,' and dire predictions of the disastrous possibilities which may follow if these instructions are not followed to the letter. Frankly, if I had been on the receiving end of these commandments as a potential but unitiated user of light alloys I think I would have been most discouraged, to say the least."

"Aluminium and its alloys compare favourably with most other non-ferrous metals, which are generally accepted and esteemed for their resistance to corrosion. In the atmospheric exposure tests carried out by the ASTM a total of 24 different alloys were tested, including copper, bronzes, brasses, chemical lead and tin. In the overall grading at all locations the second place was taken by aluminium-coated duralumin, which was second only to commercial nickel.

"In assessing the corrosion behaviour of aluminium, there has been a tendency to expose specimens for a few days, weeks, or months, and after examining them carefully, to assume that the amount of corrosion occurring in, say, 10 years, will be 20 times that occurring in six months. This gives a completely misleading picture, since when aluminium is first exposed to corroding conditions, appreciable corrosion takes place almost immediately and is very often quite obvious.

"There are, of course, some exceptional circumstances which call for special consideration, such as the presence of highly acid or highly alkaline condensates . . . but none of these considerations imposes any serious limitation on the use of aluminium as a structural material where the designer knows his job."

The metallurgists have for so long been crying "Woe, woe," and hedging in their answers, that it is a great relief to find someone who is prepared to state categorically that corrosion need *not* be a major problem when using aluminium. (*Renfrew Foundries Ltd., Hillington, Glasgow, S.W.*2.)



A new friction hinge for Hope's standard windows.

PUBLICATIONS RECEIVED

Hot Dip Galvanizing and Rust Prevention, an informative 50-page booklet which covers the process, rust prevention, corrosion resistance, characteristics and final inspection. (*Hot Dip Galvanizers Association, Lincoln House, Turl Street, Oxford.*)

Sherardizing, by J. C. Mills, a short text book for architects and engineers, giving an outline of the process, suitable articles for treatment, the limitations of the process, various finishes, test methods and cost. Brief and useful. (*The Zinc Alloy Rust-Proofing Co. Ltd., Shakespeare Street, Wolverhampton.*)

Sir C. Nicholson

With regard to the death of Sir Charles Nicholson, announced in our issue for March 10, Mr. Henry T. Rushton, L.R.I.B.A., A.I.A.A., chartered architect, writes: The impression given by your announcement to the average person, would be that the majority of Sir Charles' work was carried out in conjunction with Mr. Corlette, and that the partnership referred to was still in being. A partnership between Sir Charles and Mr. Corlette did exist but only for a limited period, and actually ceased as far back as 1914. Your announcement also stated that the work at Belfast Cathedral was a product of this partnership, which in actual fact is quite untrue. The name of the firm is Nicholson & Rushton, and has been for several years, and the majority of the work carried out by Sir Charles was done in collaboration with Mr. Rushton, an association which goes back more than 30 years. The firm of Nicholson & Rushton is to continue in practice under that title, and Mr. Rushton is taking his son, Mr. H. T. Rushton, into partnership.

Buildings Illustrated

School classroom unit, Hatfield, Herts. (pages 299-302).. Architect, Arcon. General contractors, Taylor Woodrow Construction Ltd. Sub-contractors: structural steelwork, roll formed steel sections and window units, Williams & Williams Ltd.; welded tubular roof trusses and purlins, Stewarts and Lloyds Ltd.; roof and wall cladding, Turners Asbestos Cement Co. Ltd.; flooring, Granwood Flooring Co. Ltd.; heating (Evans Patent under-floor system), Granwood Flooring Co. Ltd.; internal partitions, locker and cupboard units, Austins of East Ham Ltd.; chalk boards and display boards, Educational Supply Association Ltd.: electrical work, T. Clarke & Co. Ltd.; lighting fittings, Troughton & Young Ltd.; fluorescent chalk board lighting fittings, L. Bloom; electric clock, Gent & Company Ltd.; fibreboard ceiling, Anderson Construction Co. Ltd.; Copper D.P.C., Imperial Chemical Industries Ltd., Metals Division; paint and distemper, Imperial Chemical Industries Ltd., Paints Division; louvred sun hoods, Builders Supply Company, Ltd.

Correction

In the *Journal* for March 3 the general contractors for the King George V Hospital, Malta, were given as: John Laing & Son, Ltd. and N. Zammit & Son. This was incorrect. The general contractors were John Laing & Son, Ltd., and N. Zammit & Son were sub-contractors to them.

The form printed below is to assist readers requiring up-to-date information on building products and services. Complete and post it to The Architects' Journal, 9, 11 and 13, Queen Anne's Gate, S.W.1, and the advertisers listed will be asked to supply information direct.

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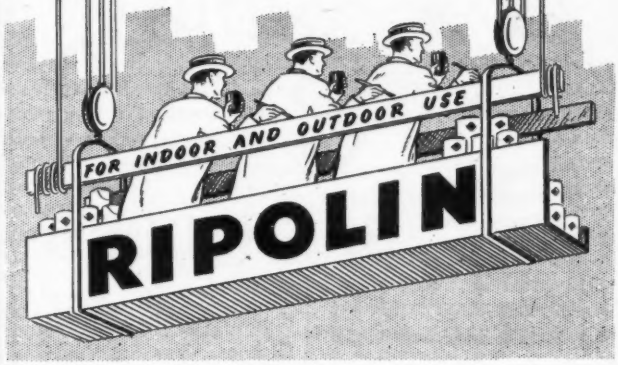
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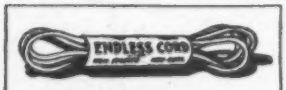
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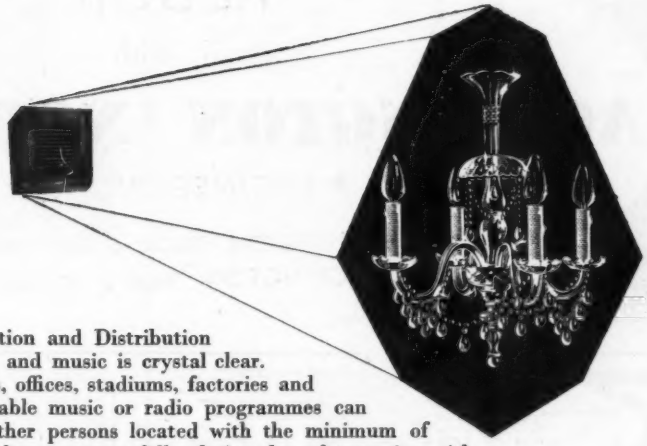
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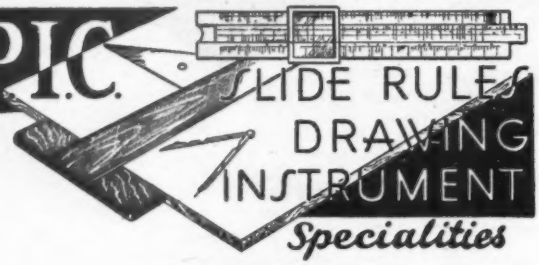
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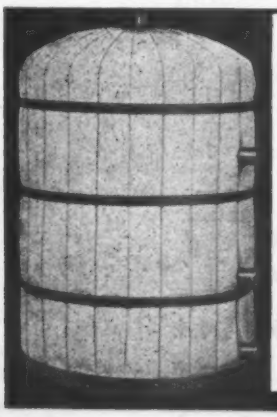
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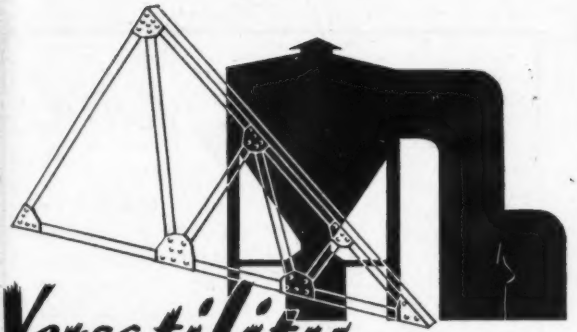
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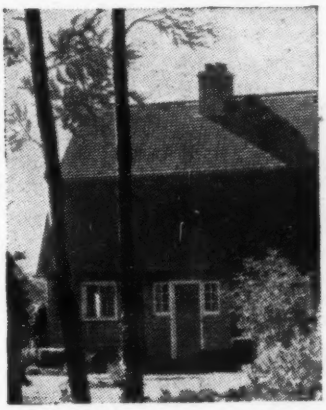
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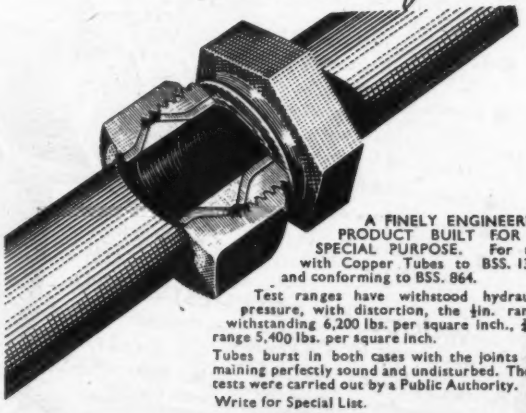
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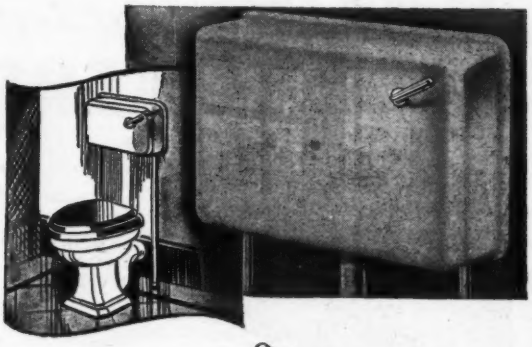
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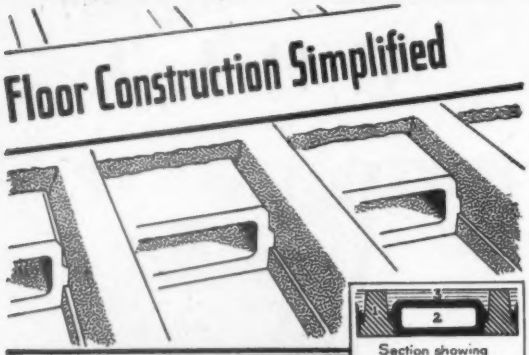
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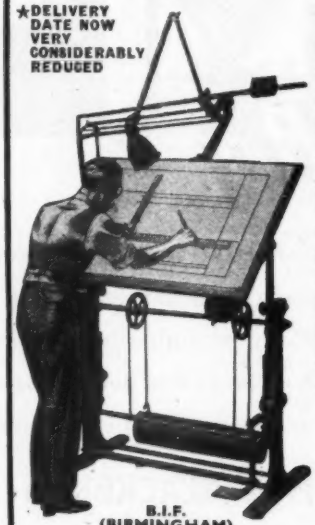
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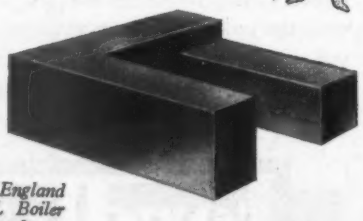


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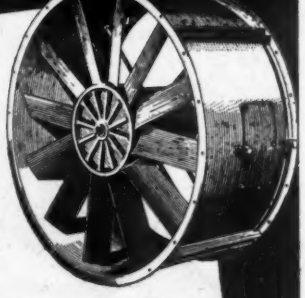


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Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.E.1 (stamped addressed envelope required, and quote Ref. G.R.3). Canvassing disqualifies. (2269) 1045

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JOHN L. INNES,
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Amended Advertisement.

BOROUGH OF BACUP.

CHIEF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Chief Architectural Assistant in the Office of the Borough Engineer and Surveyor.

Applicants must have had sound training by pupilage and had previous experience in the design and construction of building works, particularly in relation to housing. Preference will be given to persons qualified by the examination of the R.I.B.A.

The salary will be in accordance with Grade IV, A.P. and T. Division of the National Scales of Salaries (£480×£15—£425 per annum).

The appointment will be subject to one month's notice in writing on either side at any time, to the provisions of the Local Government Superannuation Act, 1937, and the National Joint Council's Scheme of Conditions of Service, and to the selected candidate passing a medical examination.

Housing accommodation will be found by the Council for the successful candidate, if a married man and coming from outside the Borough.

Applications, stating age, qualifications, past and present appointments, with details of experience, together with copies of two recent testimonials, should be sent to the undersigned not later than Saturday, 9th April, 1949.

C. G. EVERATT,
Town Clerk.

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(*c*) TWO ASSISTANT ARCHITECTS. Salary £480 per annum, rising to £525 per annum (A.P.T., Grade IV).

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Applicants for appointment (*c*) should have passed the Intermediate examination of the Royal Institute of British Architects.

Applicants for appointments (*d*) and (*e*) must have had experience in the preparation of Bills of Quantities, Specifications, Estimates, and the settlement of Final Accounts on all kinds of building contracts. Preference will be given to Professional Associates of the Royal Institute of Chartered Surveyors.

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Applications, stating age, particulars of education and training, qualifications, experience, present and previous appointments, together with copies of two recent testimonials, and the names and addresses of two persons to whom reference may be made, should be addressed to the City Architect, 18, Cloth Market, Newcastle-upon-Tyne, 1.

JOHN ATKINSON,
Town Clerk.

Town Hall, Newcastle-upon-Tyne, 1.
9th March, 1949. 2088

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Applicants should be of good general training and give full details in their applications.

It is desirable that applications should be accompanied by a small sample of the applicant's work.

The appointments will be subject to the provisions of the Local Government Act, 1937, and the successful applicants will be required to pass a medical examination.

Applications, stating age, qualifications and experience, and accompanied by copies of three recent testimonials, should be sent to the County Architect, Surrey County Council, County Hall, Kingston-upon-Thames, not later 10th April, 1949.

Canvassing, either directly or indirectly, will disqualify a candidate from consideration.

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County Hall, Kingston-upon-Thames. 2142

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A SENIOR PLANNING ASSISTANT, A.P.T. GRADE VI.

The person appointed will be engaged on the preparation of development plans and must also be competent to advise on the control of development. Applicants must be Corporate Members of the Town Planning Institute, and have had previous experience with a planning authority.

A PLANNING ASSISTANT, A.P.T. GRADE IV.

The person appointed will be required to assist a Senior Planning Assistant in the duties enumerated above. Applicants should have had previous experience in the work of a planning authority, and professional qualifications by examination will be considered an advantage.

Each appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination. The salary in A.P.T. Grade VI is £595 to £660, and in Grade IV, £480 to £525. Applications must be made on forms to be obtained from the County Planning Officer, County Buildings, Worcester, and returned to him not later than 5th April, 1949.

W. R. SCURFIELD,
Clerk of the County Council.

Shirehall,
Worcester.
(X.289) 2028

CITY OF CAPE TOWN.

STAFF VACANCIES.

Applications are invited from suitably qualified persons under 45 years of age for the following vacant positions:—

ARCHITECTS (TWO):

Grade 13B. Salary scale £600×£36—£852.

Commencing salary £600 per annum, plus a temporary non-pensionable cost-of-living allowance of £90 per annum (married) or £57 4s. per annum (single).

Note.—On salary over £600 per annum cost-of-living allowance decreases to £78 per annum (married).

Applicants must possess the following qualifications:—

(*a*) Possess a Degree or Diploma in Architecture of an approved University, College or School.

(*b*) Be not less than 25 years of age.

(*c*) Have spent not less than three years at the profession of Architecture after qualifying.

Certificates of medical fitness must be submitted by the successful applicants, who will be required to serve a probationary period of six months and, before confirmation in the appointments, will be required to become members of the Cape Town Municipal Pension Fund and, if eligible, to join either the Cape Town Municipal Employees' Association or the Cape Town Municipal Workers' Association.

The appointments will be subject to one month's notice on either side, to the provisions of the Cape Municipal Ordinance No 10 of 1912, the Standing Orders of the Council, and to the Municipal Staff Code, all as amended from time to time.

In terms of Standing Order 125, preference will be given to applicants who rendered whole time service with the Armed Forces during the late war, including ex-members of the Merchant Navy with not less than 6 months' service, and any person prevented by Man-power or other Emergency Regulations from attesting for active service.

The successful applicants will be required to complete "Form of Agreement for engagement of Employees from Overseas" (Appendix A5(a) of the Municipal Staff Code), and in this connection attention is specially drawn to paragraphs 7 and 8 of the said Form of Agreement, which read as follows:—

"7. The employee shall pay his own fare to South Africa, but if required by him the Council will advance the passage money for himself, in which case the Council shall deduct the sum of £5 (five pounds) per month from his salary until the whole of the sum so advanced has been repaid.

"8. Should the employee for any reason whatsoever leave the service of the Council before the full amount so advanced has been deducted, any balance so owing shall immediately become due and payable by the employee to the Council."

Applications must be made in duplicate on the prescribed form, obtainable at the office of the undersigned, and must be returned duly completed not later than the 27th April, 1949.

DAVIS & SOPER, LTD.,
Agents of the City Council of Capetown,
52 and 54, St. Mary Axe, London, E.C.3.
24th March, 1949. 2251

BRITISH ELECTRICAL AUTHORITY.

EASTERN DIVISION.

Applications are invited for the following positions in the Civil Engineering Department at Divisional Headquarters in North London:—

(*a*) ASSISTANT ARCHITECTS (two vacancies). Salary range £645-£720 per annum.

(*b*) ARCHITECTURAL ASSISTANTS (two vacancies). Salary range £500-£625 per annum.

Applicants should have had some experience in the design and alteration of industrial buildings.

Initial salaries will be in accordance with previous experience and qualifications.

The appointments will be Superannuable under the conditions of the Scheme or Regulations to be made under the provisions of the Electricity Act, 1947.

Applications, stating age, experience, present position and salary required, and endorsed with the appointment sought, should be submitted to arrive not later than 8th April, 1949, to the Divisional Controller, British Electricity Authority, Eastern Division, Northmet House, Southgate, N.14.

W. N. C. CLINCH,
Controller.
2176

COUNTY OF LEICESTER.

COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following established posts in the County Architect's Department:—

(*a*) SENIOR ASSISTANT ARCHITECTS. A.P.T., Grade VI-VII. Salary £595-£710.

(*b*) ASSISTANT ARCHITECTS. A.P.T., Grade V. Salary £520-£570.

Preference will be given to candidates who are Associate Members of the R.I.B.A., and have had good experience in the design and construction of modern buildings.

The appointment will be subject to the National Scheme of Conditions of Service and to the provisions of the Local Government Superannuation Act, 1937, and to a satisfactory medical examination.

Applications must be made on the forms to be obtained from the County Architect, T. A. Collins, A.R.I.B.A., County Offices, Grey Friars, Leicester, to whom they should be returned, accompanied by copies of three recent testimonials, not later than Thursday, 14th April, 1949.

JOHN A. CHATTERTON,
Clerk of the County Council.

Grey Friars, Leicester. 2241

BOROUGH OF DAGENHAM.
CHIEF HEATING AND VENTILATING ENGINEERING ASSISTANT.

The Council invite applications for this appointment, Grade VI, £595-£660 per annum, plus London weighting. Candidates must be members (by examination) of the Institution of Heating and Ventilating Engineers, and have some electrical knowledge. The post is a technical one on the staff of the Borough Engineer and Surveyor, and the appointed candidate will be required to supervise and/or advise on all heating, ventilating and electrical work carried out by or for the Council. Application forms and full particulars are obtainable from the Borough Engineer. Closing date 19th April, 1949. Canvassing disqualifies.

KEITH LAUDER,
Town Clerk.

Civic Centre, Dagenham. 2253

CITY OF GLOUCESTER.
CITY ENGINEER AND SURVEYOR'S DEPARTMENT.

The Corporation invite applications for the following appointments in the Planning Department :—

(*a*) ASSISTANT PLANNING OFFICER. Grade A.P.T., VII, £635-£710 p.a.

(*b*) PLANNING ASSISTANT. Grade A.P.T., IV, £480-£525 p.a.

The appointments are subject to the Local Government Superannuation Act, 1937, and successful candidates will be required to pass a medical examination.

It is probable that the Council will be able to assist in finding housing accommodation.

Applicants for (*a*) should be Corporate Members of the Town Planning Institution, preferably with recognized qualifications in Architecture, Civil Engineering or Surveying, have had considerable experience in Planning procedure, and be competent to take charge of the Planning side of a City Engineer and Surveyor's office.

Applicants for (*b*) should be appropriately qualified and be fully conversant with and experienced in the administration of the Town and Country Planning Act, 1947.

Applications, stating age, qualifications and experience, accompanied by three recent testimonials or the names of three referees, and endorsed "Assistant Planning Officer" or "Planning Assistant," as the case may be, must be delivered to the undersigned not later than Wednesday, 20th April, 1949.

L. O. NEED,
Town Clerk.

Guildhall, Gloucester. 2255

COUNTY BOROUGH OF DONCASTER
EDUCATION COMMITTEE.
EDUCATION ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments :—

(*a*) TWO ASSISTANT ARCHITECTS. Grade VI (£596-£660).

(*b*) QUANTITY SURVEYOR. Grade VI (£595-£660).

For appointments (*a*) candidates should be suitably qualified and possess sound experience in the design, construction and supervision of Educational Buildings, and be capable of carrying contracts through to completion.

For appointment (*b*) the candidates should be suitably qualified and have had considerable experience in the preparation of Bills of Quantities, Specifications and Estimates and the settlement of Final Accounts.

Successful applicants will be appointed to the staff of the Chief Education Officer, and work under the direction of the Education Architect (W. W. Thomas, A.R.I.B.A.).

The appointments will be subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937, and the successful applicants will be required to pass a medical examination.

Applications, suitably endorsed, giving age, qualifications, past and present appointments and full details of experience, together with names of three referees, must reach the undersigned not later than the 23rd April, 1949.

V. H. HOSKIN,
Chief Education Officer.

Education Office, Doncaster.
March, 1949. 2257

COUNTY OF ESSEX.
LEYTON COMMITTEE FOR EDUCATION.

The Essex County Council invite applications for the permanent appointment of an ARCHITECTURAL ASSISTANT, in the office of the Borough Engineer and Surveyor, to deal with work for the Committee of Education.

The salary will be £480 per annum, rising by three annual increments of £15 per annum to a maximum of £525 per annum. In addition, a London weighting (£30 if over 26 years of age, or £20 age 21 to 25) will be payable.

Candidates should have had a good general training and be experienced in the preparation of working and detail drawings, and must be good draughtsmen.

Canvassing, either directly or indirectly, will be deemed a disqualification.

Applications, stating age, details of qualifications and experience, together with copies of three recent testimonials, must be delivered to the Borough Engineer and Surveyor, Town Hall, Leyton, E.10, not later than Friday, 8th April, 1949, in a sealed envelope endorsed "Architectural Assistant (Education)."

D. J. OSBORNE,
Town Clerk.

Town Hall, Leyton, E.10. 2222

COUNTY BOROUGH OF DERBY.
BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the permanent staff in accordance with the National Scale of Salaries :—

ONE ASSISTANT ARCHITECT, Grade VI. Salary £595-£660. Applicants should be Associate R.I.B.A., with a good knowledge of work undertaken by a Local Authority, preferably with experience in School work.

ONE JUNIOR QUANTITY SURVEYOR, Grade I. Salary £390-£435. Applicants should be experienced in working up Bills of Quantities, and general assistance to Senior Quantity Surveyors.

The appointments will be subject to one month's notice in writing on either side, and to the terms of the National Joint Council's Scheme of Conditions of Service, and the provisions of the Local Government Superannuation Act, 1937, and the successful applicants will be required to pass a medical examination.

Forms of application may be obtained from Thos. W. East, F.R.I.B.A., Borough Architect, The Council House, Corporation Street, Derby, and should be returned when completed, together with copies of three testimonials, to arrive not later than Monday, 11th April, 1949.

Canvassing, directly or indirectly, will be a disqualification.

E. H. NICHOLS,
Acting Town Clerk.

The Council House, Derby. 2161

BOROUGH OF TOTTENHAM.
BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the following posts at salaries in accordance with the National Scale of Salaries :—

ARCHITECT—ESTABLISHED. Grade A.P.T., VI, £595 by two annual increments of £20 and one of £25 to £660 per annum.

ARCHITECTURAL ASSISTANT — ESTABLISHED. Grade A.P.T., IV, £480 by annual increments of £15 to £525 per annum.

TWO ARCHITECTURAL ASSISTANTS—ESTABLISHED. Grade A.P.T., III, £450 by annual increments of £15 to £495 per annum.

ARCHITECTURAL ASSISTANT — ESTABLISHED. Grade A.P.T., II, £420 by annual increments of £15 to £465 per annum.

ARCHITECTURAL ASSISTANT — ESTABLISHED. Grade A.P.T., I, £390 by annual increments of £15 to £435 per annum.

In addition the present London weighting is payable on all the above salaries, *viz.*, age 16 to 20 years, £10 per annum; 21 to 25 years, £20 per annum; 26 and over, £30 per annum.

Qualifications required :—

Applicants for the posts in Grade A.P.T., VI, must be Chartered Architects, who have passed the Final examination of the R.I.B.A. or who hold an appropriate Degree of a British University.

Applicants for the Grade IV post must have passed the Intermediate examination of the R.I.B.A., and applicants for the Grades III, II and I are required to have attained Preliminary R.I.B.A. standard.

The appointments will be subject to the provisions of the Scheme of Conditions of Service for Local Authorities' Administrative, Professional, Technical and Clerical Services, to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.

Forms of application may be obtained from the Borough Engineer, Town Hall, Tottenham, N.15, to whom they should be returned, together with copies of two recent testimonials, not later than Monday, the 11th April, 1949.

M. LINDSAY TAYLOR,
Town Clerk.

Town Hall, Tottenham, London, N.15.
March, 1949. 2208

CITY AND COUNTY BOROUGH OF BELFAST.
CITY ENGINEER AND SURVEYOR'S DEPARTMENT.
PLANNING ASSISTANTS.

Applications are invited from qualified engineers or architects for appointment as Planning Assistants.

Preference will be given to candidates having town planning experience.

The salary attached to the office is £450 per annum, rising by annual increments of £25 to £650 per annum, plus cost-of-living bonus, at present £90 per annum. The commencing salary in each case will be determined in the light of the qualifications and experience of the person appointed.

Candidates must not be more than 45 years of age on the date of taking up the appointment.

Preference will be given to ex-Service candidates possessing the required qualifications, provided the Council is satisfied that such candidates can, or within a reasonable time will be able to, fill the posts efficiently.

Forms of application and conditions of appointment may be obtained from the City Surveyor, at Room 39, City Hall, Belfast.

Applications, endorsed "Planning Assistant," and accompanied by copies of three recent testimonials, must be lodged with the undersigned not later than 4 o'clock p.m. on Wednesday, the 20th April, 1949.

Canvassing in any form, oral or written, direct or indirect, will, if proved to the satisfaction of the appointing authority, disqualify a candidate for appointment.

JOHN DUNLOP,
Town Clerk.

City Hall, Belfast.
March, 1949. 2182

MINISTRY OF WORKS.

Vacancies exist in the Chief Architect's Division for ARCHITECTURAL ASSISTANTS, with recognized training and fair experience for duty at Farnborough, Hants.

Salary :—Architectural Assistants, £283-£495 p.a.; Leading Architectural Assistants, £470-£595 p.a.

Starting salary is assessed according to age, qualifications and experience. Although these are not established posts, some of them have long-term possibilities, and competitions are held periodically to fill established vacancies. Hostel accommodation may be available.

Apply in writing, stating age, nationality, and full details of training and experience, to Chief Architect, W.C.10/AB, Ministry of Works, Abell House, John Islip Street, London, S.W.1, quoting reference W.G.10/AB, and the name of this Journal. 2205

BOROUGH OF BARKING.
DEPARTMENT OF THE BOROUGH ARCHITECT.

Applications are invited for the following permanent appointments :—

(*a*) ASSISTANT ARCHITECT. Grade A.P.T., IV. Salary £480, rising to £525 per annum. Candidates should have passed the R.I.B.A. Final examination or have completed a degree or diploma course at a recognized School of Architecture.

(*b*) ASSISTANT ARCHITECT. Grade A.P.T., II. Salary £420, rising to £465 per annum. Preference will be given to candidates who have passed the R.I.B.A. Intermediate examination.

(*c*) ARCHITECTURAL ASSISTANT. General Division or A.P.T., I, according to experience; *i.e.*, General Division £220 per annum at age 21, rising to £385 per annum at age 32.

A.P.T., I, £390, rising to £435 per annum.

The appropriate London weighting will be paid in addition to the above salaries.

Terms and conditions of the appointments and forms of application may be obtained from the Borough Architect, Town Hall, Barking, and must be received by the undersigned not later than Wednesday, 20th April, 1949.

E. R. FARR,
Town Clerk.

Town Hall, Barking. 2260

BOROUGH OF ILFORD.
BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.
APPOINTMENT OF TECHNICAL STAFF.

(*a*) ARCHITECTURAL ASSISTANT. Grade VII (Permanent staff).

(*b*) ARCHITECTURAL ASSISTANT. Grade V (Temporary).

(*c*) ENGINEERING ASSISTANT. Grade VI (Permanent).

(*d*) ENGINEERING ASSISTANT. Grade IV (Permanent).

(*e*) TWO JUNIOR ENGINEERING ASSISTANTS. Grade I-II (Temporary).

Applications are invited for the following appointments :—

(*a*) ARCHITECTURAL ASSISTANT (Permanent). A.P.T., Grade VII, £635 p.a.-£710 p.a., plus London weighting.

Applicants should be Registered Architects and Corporate Members of the Institute of British Architects, possess a thorough knowledge of Architectural works with practical experience in the design and development of public buildings of all types, housing schemes, etc., the preparation of specifications, and be capable of supervising and controlling contracts.

(*b*) ARCHITECTURAL ASSISTANT (Temporary). A.P.T., Grade V, £520 p.a.-£570 p.a., plus London weighting.

Candidates should possess approved qualifications and be capable of preparing working drawings in connection with Council Flats, etc.

(*c*) ENGINEERING ASSISTANT (Permanent). A.P.T., Grade VI, £595 p.a.-£660 p.a., plus London weighting.

Candidates should have had wide experience in the design and construction of roads and sewers and Municipal engineering works generally, and must be Associate Members of the Institution of Civil Engineers. The holding of the testamur of the Institution of Municipal Engineers will be an advantage.

(*d*) ENGINEERING ASSISTANT (Permanent). A.P.T., Grade IV, £480 p.a.-£525 p.a., plus London weighting.

Applicants should have had Municipal training and experience and be Associate Members of the Institution of Civil Engineers and/or Institution of Municipal Engineers.

(*e*) TWO JUNIOR ENGINEERING ASSISTANTS (Temporary). A.P.T., Grade I-II, commencing salary to be fixed having regard to qualifications and experience.

The duties will comprise work in connection with the re-design of existing soil and surface water sewerage systems. Candidates must be proficient in surveying and levelling and preferably have some knowledge of hydraulics.

The appointments, which are whole-time (private practice being prohibited), will be subject to one month's notice on either side, to the provisions of the Local Government Superannuation Act, 1937, and to the successful candidates passing a medical examination by the Medical Officer of Health.

Forms of application may be obtained from the Borough Engineer, Town Hall, Ilford, and should be returned to the undersigned not later than the 11th April, 1949.

K. F. B. NICHOLLS,
Town Clerk.

Town Hall, Ilford.
March, 1949. 2211

CITY OF OXFORD.
CITY ARCHITECT AND PLANNING OFFICER'S DEPARTMENT.

Applications are invited for the under-mentioned posts on the Staff of the City Architect and Planning Officer's Department :—

ASSISTANT ARCHITECTS (TWO). Grade Va, A.P.T. Division. Permanent. Salary £550×£20—£610.

The successful applicants will be required to carry out work on Schools and Public Buildings, and should be Associates of the R.I.B.A.

SENIOR PLANNING ASSISTANT. Grade Va, A.P.T. Division. Permanent. Salary £550×£20—£610.

The successful applicant will be required to carry out work in connection with the preparation of the Development Plan and planning administration in the City, and should preferably have passed the Final examination of the Town Planning Institute.

ARCHITECTURAL ASSISTANT. Grade III, A.P.T. Division. Permanent. Salary £450×£15—£495.

The successful applicant will be required to carry out work on Schools and Public Buildings. Applicants should have had experience in an Architect's office, and should preferably have passed the Intermediate examination of the R.I.B.A.

ASSISTANT (ESTATES). Grade III, A.P.T. Division. Permanent. Salary £450×£15—£495.

The successful applicant will be required to assist in work in the Estates Section in connection with the purchase and letting of land and buildings, the preparation of schedules of dilapidation, etc. Applicants should preferably have passed the Intermediate examination of the R.I.C.S.

JUNIOR PLANNING ASSISTANT. Grade I, A.P.T. Division. Permanent. Salary £390×£15—£435.

The successful applicant will be required to assist in the planning work of the City.

JUNIOR ASSISTANTS—GENERAL :

(1) Miscellaneous, Grade II. Permanent. Salary £375×£15—£420.

(1) General Division. Temporary. Salary £220 (at age 21, rising by various annual increments) to £385 per annum.

The successful applicants will be required to assist in the Architectural, Planning and Surveying Sections of the Department, and should have some knowledge of drawing and building work.

The appointments will be subject to the National Conditions of Service, the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.

Further details of the duties and application forms, which must be used in applying for the posts, may be obtained from E. G. Chandler, A.R.I.B.A., A.M.T.P.I., City Architect and Planning Officer, Town Hall, Oxford.

Applicants must clearly state for which post they wish to apply when writing for forms, and these forms must be returned to the City Architect and Planning Officer not later than Friday, 8th April, 1949.

HARRY PLOWMAN,
Town Clerk.

Town Hall, Oxford. 2193

MINISTRY OF WORKS, MANCHESTER.

There are vacancies for ARCHITECTURAL DRAUGHTSMEN, with recognized training and fair experience.

Candidates will be employed on a wide variety of design. Salary £282-£510; slightly less for women. Starting pay will be assessed in accordance with age, sex, qualifications and experience.

Appointments will in the first instance be non-pensionable, but there will shortly be an open competition for established pensionable posts.

Apply in writing, stating age, nationality, full details of experience, etc., to Mr. J. Heald, A.R.I.B.A., Ministry of Works, 76, Newton Street, Manchester. 2233

Amended Advertisement.

CHICHESTER RURAL DISTRICT COUNCIL.
APPOINTMENT OF DRAUGHTSMAN (GRADE I).

Applications are invited for the permanent appointment of Draughtsman, A.P.T., Grade I, in the Engineer and Surveyor's Department. Applicants must have had previous experience in the preparation of working drawings for housing and drainage schemes, either in a local authority engineer's or architect's office. Preference will be given to candidates who have obtained some part of a recognized professional examination.

The appointment is subject to :—(*a*) The National Scheme of Conditions of Service, (*b*) one month's notice on either side, and (*c*) a medical examination. Further information, if required, may be obtained from J. K. Lawson, F.R.I.C.E., Engineer and Surveyor, East Pallant House, Chichester.

The Council will, if required, provide housing accommodation, and it is the normal practice of the Council to contribute one-half of the removal expenses of the successful candidate, subject to reasonable conditions.

Applications, accompanied by copies of two testimonials, must be delivered to the undersigned not later than Friday, 8th April, 1949. Applicants must state whether they are to their knowledge related to any member or senior official of the Council.

(Signed) LEONARD BAILEY,
Clerk to the Council.

Pallant House, Chichester. 2236

BIRMINGHAM REGIONAL HOSPITAL BOARD.

Applications are invited for the following appointments in the Architect's Department :—

(*a*) ASSISTANT ARCHITECTS. Salary scale, A.P.T., Va (£550 to £610).

Applicants must have passed the Final examination of the Royal Institute of British Architects, or possess a recognized Diploma in Architecture, and should have considerable experience of Local Authority building projects and procedure. Experience of hospital planning and construction will be an advantage, and a sound knowledge of specification is essential.

(*b*) JUNIOR QUANTITY SURVEYOR. Salary scale, A.P.T., IV (£480 to £525).

Preference will be given to those who have passed the Intermediate examination of the Royal Institute of Chartered Surveyors (Quantities Section). Candidates must be capable of preparing quantities and checking accounts.

The appointments are subject to the National Health Service (Superannuation) Regulations, 1947 and 1948, and are terminable by one month's notice by either side. Applications, stating age, qualifications, experience, and present appointment, together with the names of two referees, should be submitted to the Secretary, Birmingham Regional Hospital Board, 10, Augustus Road, Edgbaston, Birmingham, 15, not later than 14th April, 1949. Applications should state clearly the appointment for which the candidate is applying. 2184

CORPORATION OF DUNDEE.
CITY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments :—

ASSISTANT ARCHITECTS (TWO). Grade IV, £480 to £525 p.a.

ASSISTANT ARCHITECTS (TWO). Grade I, £390 to £435 p.a.

Applicants should be Members of the R.I.B.A. and have a good knowledge of Architectural Design and Construction.

The appointments are subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will require to pass a medical examination.

Applications, stating the appointment applied for, age, qualifications and experience, along with copies of two recent testimonials, to be sent to the City Architect, City Architect's Department, 17, City Square, Dundee, not later than Saturday, 16th April, 1949.

J. McLELLAN BROWN, A.R.I.B.A.,
City Architect.

2180

Amended.

IRLAM URBAN DISTRICT COUNCIL.
ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant, in the Engineer and Surveyor's Department. Salary, Grade V, A.P.T. Division, National Joint Council Scale (£520×£15×£15×£20—£570). The appointment will be subject to :—

(*a*) One month's notice in writing.
(*b*) Local Government Superannuation Act, 1937.
(*c*) Passing a medical examination.

Preference will be given to candidates holding recognized qualifications.

Applications, stating age, qualifications and experience, and accompanied by copy of one recent testimonial and the names of two referees, should be endorsed "Architectural Assistant," and be received by the undersigned not later than 10 a.m. on Monday, 11th April, 1949.

EDWIN JONES.
Clerk of the Council.

Council Offices, Irlam, near Manchester.
23rd March, 1949. 2245

BRECONSHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following established posts (Male or Female) in the County Architect's Department :—

(*a*) ONE SECTION ARCHITECT. Grade VII, £635-£710 per annum.
(*b*) ONE ASSISTANT ARCHITECT. Grade VI, £595-£660 per annum.
(*c*) ONE ASSISTANT ARCHITECT. Grade V, £520-£570 per annum.
(*d*) ONE ASSISTANT ARCHITECT. Grade IV, £480-£525 per annum.
(*e*) ONE ARCHITECTURAL ASSISTANT. Grade III, £450-£495 per annum.
(*f*) TWO ARCHITECTURAL ASSISTANTS. Grade II. £420-£465 per annum.
(*a*) ONE QUANTITY SURVEYOR. Grade VII, £635-£710 per annum.
(*h*) ONE LAND SURVEYOR. Grade III, £450-£495 per annum.

Applicants for appointments under (*a*), (*b*) and (*c*) above must be registered Architects.

The appointments will be subject to (i) the National Scheme of Conditions of Service, (ii) the provisions of the Local Government Superannuation Act, 1937, (iii) the passing of a satisfactory medical examination, and (iv) one month's written notice on either side.

Canvassing, directly or indirectly, will definitely disqualify the candidate for the appointment.

Applications must be made on a form to be obtained from the County Architect, Mr. H. C. W. Strickland, F.R.I.B.A., Watton Offices, Brecon, South Wales, and must be received by the undersigned not later than 16th April, 1949.

C. M. S. WELLS.
Clerk of the County Council.

County Hall, Brecon. 2194

COUNTY BOROUGH OF SWANSEA.
BOROUGH ARCHITECT'S DEPARTMENT.

Applications are invited for Established Staff Appointments as hereunder :—

(*a*) *ARCHITECTURAL.*

(1) CHIEF ASSISTANT ARCHITECT (General), Grade VIII, £685-£760 p.a.
(2) CHIEF ASSISTANT ARCHITECT (Education). Grade VIII, £685-£760 p.a.
(3) CHIEF ASSISTANT ARCHITECT (Housing). Grade VIII, £685-£760 p.a.
(4) THREE SENIOR ASSISTANT ARCHITECTS. Grade VII, £635-£710 p.a.
(5) TWO ARCHITECTURAL ASSISTANTS. Grade III), £450-£495 p.a.

(*b*) *QUANTITY SURVEYING.*

(1) SENIOR ASSISTANT QUANTITY SURVEYOR. Grade VII, £635-£710 p.a.
(2) ASSISTANT QUANTITY SURVEYOR. Grade V, £520-£570 p.a.
(3) JUNIOR ASSISTANT QUANTITY SURVEYOR. Grade III, £450-£495 p.a.

For Architectural posts, Grade VIII or Grade VII, the Associateship R.I.B.A. must be held, and for Grade III posts the Intermediate examination R.I.B.A. must have been passed.

For Quantity Surveying posts, Grade VII or Grade V, the Associateship R.I.C.S. must be held, and for Grade III the Intermediate examination R.I.C.S. must have been passed.

In the senior posts considerable experience appropriate to the post will be demanded.

Housing accommodation will be made available to successful applicants.

The salary scale is that of the National Scheme of Conditions of Service, and candidates must be under 45 years of age, unless in Local Government Service, as the appointments will be subject to the provisions of the Local Government Superannuation Act, 1937. Candidates will be required to pass a medical examination.

The appointments may be terminated by one month's notice on either side.

Forms of application may be obtained from the Borough Architect, Mr. H. T. Wykes, F.R.I.B.A., Guildhall, Swansea, and are to be returned, accompanied by three recent testimonials, to the undersigned, not later than noon on 11th April, 1949.

Canvassing, directly or indirectly, will disqualify.

(Signed) T. B. BOWEN,
Town Clerk.

Guildhall, Swansea.
18th March, 1949. 2166

GOVERNMENT OF NORTHERN IRELAND.
MINISTRY OF FINANCE.
ASSISTANT ARCHITECTS AND ARCHITECTURAL ASSISTANTS.

Applications are invited for posts of Assistant Architect and Architectural Assistant, in the Works Division of the Ministry of Finance. Appointments will be non-pensionable, but, as far as can be foreseen, will last for several years. Applicants will be eligible for consideration for appointment to established posts as vacancies arise. The works programme embraces design and execution of Factories, Housing, Schools and Public Buildings.

Remuneration : The ranges of salary attaching to the posts are :—

Assistant Architect, Grade "B," £500-£750.
Assistant Architect, Grade "C," £400-£600.
Architectural Assistant, Grade "D," £250-£500.

Entry point will be determined according to the qualifications and experience of the successful candidates.

Qualifications : Candidates for Grade "B" and "C" must be Registered Architects, by examination. In addition, candidates for Grade "B" posts must have had good general experience in an Architect's office, including the writing of Specifications. Candidates for Grade "D" posts should have had approved experience in an Architect's drawing office.

Preference will be given to ex-Service candidates of the 1914-1918 or 1939-45 war, provided that such candidates can or within a reasonable time will be able to fill the posts efficiently.

Applications, giving date of birth and full details of training and qualifications, should be sent immediately to the Assistant Secretary (Establishments), Ministry of Finance, Stormont. 2150

BOROUGH OF REIGATE.
APPOINTMENT OF ARCHITECTURAL ASSISTANT.

Applications are invited for the appointment of Architectural Assistant, on the staff of the Borough Engineer and Surveyor, at a salary in accordance with Grade IV of the A.P.T. Division of the National Scale of Salaries (£480-£525 per annum). Applicants should have previous experience in connection with the design of buildings and estate development and the conversion of existing properties into flats. The appointment is subject to the provision of the Local Government Superannuation Act, 1937, and to the passing of a medical examination.

Housing accommodation will be provided for the successful candidate if he is a married man.

Forms of application may be obtained from Mr. George G. Sanderson, A.M.Inst.C.E., Borough Engineer and Surveyor, Town Hall, Reigate.

Applications, endorsed "Architectural Assistant," and accompanied by copies of three recent testimonials, must reach the undersigned not later than Monday, 11th April, 1949.

HEBER DAVIES,
Town Clerk.

Town Hall, Reigate.
March, 1949. 2134

COUNTY BOROUGH OF DUDLEY.
ASSISTANT ARCHITECT.

Applications are invited for the appointment of Assistant Architect, at a salary on Grade V (£520-£570) per annum, of the National Scale of Salaries, on the established staff of the Borough Architect's Department.

Candidates will be required to pass a satisfactory medical examination for superannuation purposes, and the appointment will be subject to one month's notice on either side.

Applicants must be Associates of the R.I.B.A. and must be capable of preparing working drawings, details, specifications, etc., for housing and school buildings, and must have a sound knowledge of building contracts.

Applications, stating age, qualifications and experience, accompanied by the names of two or more persons to whom reference may be made, should be delivered to me not later than Tuesday, the 12th April, 1949.

P. D. WADSWORTH,
Town Clerk.

The Council House, Dudley.
17th March, 1949. 2165

SOUTH-WESTERN REGIONAL HOSPITAL BOARD.
ARCHITECT'S DEPARTMENT.

Applications are invited for two posts of JUNIOR ARCHITECTURAL ASSISTANTS to the Board. The successful candidates will be on the staff of the Board's Architect, and should be Associate Members of the R.I.B.A. Candidates should live in or near Bristol. The initial salary will be on the scale A.P.T., Grade III, i.e., £450×£15—£495, or according to age and experience.

Applications, stating age and qualifications, together with the names of two referees, should reach the Secretary of the Board, 5/6, Cotham Lawn Road, Cotham, Bristol, 6, not later than 11th April, 1949. 2153

CORPORATION OF LONDON.

CLERK OF WORKS required for reconstruction and rehabilitation of a City Police Station. Commencement expected April, and job likely to extend over 12 to 18 months. Salary £10-£15 per week, according to experience and qualification. Applications to George Holliday, F.R.I.C.S., the City Surveyor, 55/61, Moorgate, E.C.2. 2148

CONTROL OF ENGAGEMENT ORDER.

This vacancy does not relate to a man between the ages of 18 and 50 inclusive, unless he is excepted from the provisions of the Control of Engagement Order, 1947.

BOROUGH OF NELSON.
APPOINTMENT OF ARCHITECTURAL ASSISTANT.
AMENDED ADVERTISEMENT.

Applications are invited for the appointment of Architectural Assistant, in the Borough Surveyor's Department, at a salary in accordance with Grade V of the National Scales (£520 to £570) (consolidated).

Candidates should have experience in housing and general work, and preference will be given to applicants who have passed the Final or Inter. R.I.B.A. examination. Applications, giving detailed particulars of experience and qualifications, endorsed "Architectural Assistant," with copies of three recent testimonials, to be delivered to the undersigned on or before Saturday, 9th April, 1949.

F. W. ROBERTS,
Town Clerk.

Town Hall, Nelson.
17th March, 1949. 2170

MANCHESTER REGIONAL HOSPITAL BOARD.
APPOINTMENT OF PRINCIPAL ASSISTANT ARCHITECT.

Applications are invited for the appointment of Principal Assistant Architect on the Board's Headquarters' staff. Salary £800×£25—£950 per annum.

Applicants must be Fellows or Associates of the Royal Institute of British Architects, have had experience in hospital design and construction, possess good administrative ability, and be capable of deputising for the Regional Architect.

The appointment is subject to the National Health Service (Superannuation) Regulations, 1947.

Applications, stating age, qualifications and experience, together with the names and addresses of three referees, should be received by the undersigned not later than the 9th April, 1949.

J. GIBBON,
Secretary of the Board.

1, North Parade, Parsonage Gardens,
Manchester, 3. 2168

LONDON COUNTY COUNCIL.
ARCHITECT'S DEPARTMENT.
ARCHITECTURAL ASSISTANTS.

Vacancies exist for technical assistants in the Architect's Department for the preparation of drawings and specifications in connection with the construction and adaptation of varied types of public buildings.

Commencing rate (up to £580 a year), according to qualifications and experience. The positions will be temporary in the first instance, but successful candidates will be subject to the Council's Superannuation and Provident Fund, and will be eligible for promotion on merit to the permanent staff and to higher positions on the occurrence of vacancies.

Full particulars and form of application from the Architect to the Council (quoting AR/P/A). The County Hall, Westminster Bridge, S.E.1 (enclose stamped addressed foolscap envelope). (273) 2083

LANCASHIRE COUNTY COUNCIL.
COUNTY PLANNING DEPARTMENT.
ESTATE DEVELOPMENT.

The Lancashire County Council are to set up an Estate Development Team to carry out, in co-operation with County District Councils, comprehensive schemes for the accommodation of overspill populations from adjacent urban areas by the development of existing townships.

The Development Team will be attached to the Headquarters' Office of the County Planning Department, County Offices, Preston, and their duties will include survey of sites; detailed layout of roads and buildings; landscaping; the preparation of contract documents for roads, sewers and landscape treatment; and the general co-ordination of a development scheme.

Applications are invited for the following appointments in the Estate Development Team:—

(*a*) SENIOR ENGINEERING ASSISTANT. A.P.T., Grade VIII (salary £685×£25—£760 per annum).

(*b*) ENGINEERING ASSISTANT. A.P.T., Grade VI (salary £595-£660 per annum).

(*c*) SENIOR ARCHITECTURAL ASSISTANT. A.P.T., Grade VIII.

(*d*) ARCHITECTURAL ASSISTANT. A.P.T., Grade VI.

(*e*) SURVEYING ASSISTANTS. A.P.T., Grade VI.

Candidates for appointments (*a*) to (*e*) must possess qualifications appropriate to their experience in engineering, architecture or surveying.

The appointments will be subject to the provisions of the Scheme of Conditions of Service of the National Joint Council and to the Local Government Superannuation Act, 1937.

Applications, stating age, qualifications, experience, present appointment and salary, together with the names and addresses of two persons to whom reference may be made, should be forwarded to G. W. Sutton Brown, Esq., B.Sc., A.M.I.C.E., County Planning Officer, County Offices, Preston, and applicants should state clearly for which appointments they wish to be considered.

The final date for the receipt of applications is Saturday, 9th April, 1949.

R. H. ADCOCK.
Clerk of the County Council.

County Offices, Preston. 2256

COUNTY BOROUGH OF NORTHAMPTON.
BOROUGH ARCHITECT'S DEPARTMENT.
APPOINTMENT OF SENIOR ASSISTANT ARCHITECT (TOWN PLANNING).
GRADE VI, A.P.T. (£595 to £660).

Applications for the above appointment, stating age, qualifications, experience, past and present appointments and salary, whether related to any member or senior officer of the Council, and giving the names of two persons to whom reference can be made, should be delivered to J. L. Womersley, A.R.I.B.A., A.M.T.P.I., Borough Architect and Town Planning Officer, not later than 15th April, 1949.

Applicants should be Members of the Royal Institute of British Architects, and preferably hold a qualification or have experience in Town Planning. Previous employment in a Local Government Office is not essential.

The appointment offers considerable scope for a person having design ability and a sound training, the successful applicant being expected to take charge of staff preparing the Outline Development Plan, and detailed replanning schemes for the central Area, including a Civic Centre. At a later stage there will be opportunity to engage upon the architectural projects embodied in the schemes.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the passing of a medical examination, and is terminable by one month's notice on either side.

Canvassing will disqualify.

C. E. VIVIAN ROWE,
Town Clerk.

Guildhall, Northampton. 2242

EASTERN REGIONAL HOSPITAL BOARD, SCOTLAND.
ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments:—

(*a*) ARCHITECTURAL ASSISTANT. A.P.T., Grade V, £520-£570.

(*b*) ARCHITECTURAL ASSISTANT. A.P.T., Grade III, £450-£495.

Candidates for appointment (*a*) should be Associate Members of the R.I.B.A., and have had good general experience in the design, construction and maintenance of public buildings, including hospitals.

Candidates for appointment (*b*) should have passed the Intermediate examination of the R.I.B.A., have had some experience in an architect's office, and be capable of undertaking surveys and preparing working drawings under supervision. The appointments will be subject to the National Health Service (Scotland) (Superannuation) Regulations, 1946, and successful candidates will be required to pass a medical examination.

The appointments will be terminable by one month's notice on either side. Canvassing in any form will disqualify. Applications, suitably endorsed, stating age, qualifications, experience, past and present appointments, and accompanied by the names and addresses of three referees, should be sent to the Secretary, Eastern Regional Hospital Board, Braeknowe, 430, Blackness Road, Dundee, not later than 16th April, 1949.

Eastern Regional Hospitals Board,
"Braeknowe," 430 Blackness Road, Dundee.
23rd March, 1949. 2238

NEWCASTLE-UPON-TYNE REGIONAL HOSPITAL BOARD.
BISHOP AUCKLAND GENERAL HOSPITAL
(250-500 Beds).

The Board desires to appoint a PRACTISING ARCHITECT or Firm of ARCHITECTS for the re-organization and development of the fabric of the above Hospital. While the initial re-organization is expected to consist largely of adaptations and general improvements, coupled with a small amount of new construction, the planning of a long-term expansion of a major character will be one of the earliest duties of the Architect appointed.

Applicants must have had experience in the planning and construction of hospitals.

Particulars of the Board's system of administration for architectural projects, including *inter alia* Committee organization and arrangements for consultation with the appropriate officers of the Hospital Management Committee and the Regional Hospital Board, may be obtained from the undersigned.

Architects who are willing to receive an invitation to act are desired to state their special qualification for undertaking this project (quoting examples of hospital work executed), and to submit their application not later than 30th April, 1949, to E. B. Jenkins, Secretary, "Dunira," Osborne Road, Newcastle-upon-Tyne, 2.

E. B. JENKINS,
Secretary.

"Dunira," Osborne Road,
Newcastle-upon-Tyne, 20. 2230

METROPOLITAN BOROUGH OF HACKNEY.
BOROUGH ENGINEER AND SURVEYOR'S DEPARTMENT.
ARCHITECTURAL SECTION.

Applications are invited for the under-mentioned permanent appointments at salaries in accordance with the scales indicated. In each case the commencing salary may be fixed at a point above the minimum of the Grade specified, according to the qualifications and experience of the successful candidate.

ARCHITECTURAL ASSISTANT:

One appointment, Grade A.P.T., III-IV (£450 p.a.-£525 p.a., plus London weighting allowance). Candidates must have had a good architectural training, and must have passed the R.I.B.A. Intermediate or equivalent examination.

JUNIOR ARCHITECTURAL ASSISTANT:

One appointment, Grade A.P.T., II-III (£420 p.a.-£495 p.a., plus London weighting allowance). Candidates must have had a good architectural training, and preference will be given to those who have passed the R.I.B.A. Intermediate or equivalent examination.

Conditions of appointment and application forms may be obtained from the undersigned upon receipt of a stamped addressed foolscap envelope.

Completed application forms, endorsed with the designation and Grade of the post applied for, must be returned not later than first post on the 7th April, 1949. The Council is unable to provide any housing accommodation for the successful candidates.

DUDLEY SORRELL,
Town Clerk.

Town Hall, Hackney, E.8.
21st March, 1949. 2223

LANCASHIRE COUNTY COUNCIL.
COUNTY ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments on the permanent staff:—

(*a*) SECTION ARCHITECT. Salary £760-£860 per annum.

(*b*) SENIOR ASSISTANT ARCHITECTS, Grade VIII. Salary £685-£760.

(*c*) SENIOR ASSISTANT ARCHITECTS, Grade VII. Salary £635-£710.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937; to a satisfactory medical examination, and to the termination of each appointment by one month's notice in writing on either side.

Applications should be forwarded on the forms to be obtained from the County Architect, G. Noel Hill, F.R.I.B.A., M.T.P.I., County Offices, Preston, to whom they should be returned, accompanied by copies of three recent testimonials, to arrive not later than Tuesday, the 12th April.

R. H. ADCOCK,
Clerk of the County Council.

County Offices, Preston.
22nd March, 1949. 2226

CITY OF LIVERPOOL.
DEPUTY CITY ARCHITECT.

Applications are invited for the above appointment, at a salary of £1,500×£100—£2,000 per annum.

Candidates must be Fellows or Associates of the Royal Institute of British Architects, and the possession of Town Planning qualifications would be considered an advantage.

The person appointed will be responsible, under the City Architect and Director of Housing, for the whole of the architectural work of the Corporation (except Housing), and must have had professional and administrative experience, preferably in Local or Central Government Service.

The appointment is superannuable and subject to the Standing Orders of the City Council.

Applications, on forms to be obtained from this office, must be addressed to me (endorsed "Deputy City Architect"), and be received on or before Saturday, 23rd April, 1949.

Canvassing disqualifies.

THOMAS ALKER,
Town Clerk

Municipal Buildings, Dale Street, Liverpool, 2.
24th March, 1949. 2197

BOROUGH OF ROMFORD.
ARCHITECTURAL ASSISTANT (GRADE VI).

Applications are invited for the post of SENIOR ARCHITECTURAL ASSISTANT, in the Borough Engineer and Surveyor's Department, at a salary in accordance with Grade VI of the National Scale of Salaries for Local Authorities Staffs, namely £595 per annum, rising to £660 per annum.

Applicants must hold the qualification A.R.I.B.A. and possess a thorough knowledge of design and construction, preferably of a Municipal nature. They should also possess experience in dealing with contracts, preparation of estimates and specifications for repairs, and administrative experience in dealing with correspondence, accounts and labour.

The appointment is subject to :—
(*a*) National Scheme of Conditions of Service.
(*b*) Local Government Superannuation Act, 1937.
(*c*) One month's notice on either side.
(*d*) Satisfactory passing of a medical examination.

Applications, endorsed "Architectural Assistant," stating age, present position, salary, qualifications and details of previous experience, together with the names of two referees to whom enquiry may be made as to character and ability, should reach the undersigned not later than 11th April, 1949.

J. TWINN.
Town Clerk.

Town Hall, Romford. 2177

BOROUGH OF WALTHAMSTOW.
BOROUGH ARCHITECT'S DEPARTMENT.
ASSISTANT ARCHITECTS.

Applications are invited for two permanent positions of

ASSISTANT ARCHITECT,

at a salary in accordance with Grade VI of the National Joint Council for Local Authorities' Administrative, Professional and Technical Division (£595 to £660, by annual increments, plus London weighting allowance, according to scale).

Applicants must be suitably qualified and must have a high ability in design and construction, and should have had considerable experience in connection with the design of modern houses and flats; experience in the design of re-inforced concrete structures will be an advantage.

The appointments will be subject to the Local Government Superannuation Act, 1937, to the National Joint Council's Conditions of Service, to the successful candidates passing a medical examination, and to termination by one month's notice on either side.

Applications, stating age, qualifications and experience, accompanied by names and addresses of three persons to whom reference may be made, must reach the undersigned, endorsed "Assistant Architect," not later than Saturday, the 16th April, 1949.

Canvassing in any form will be deemed a disqualification, and applicants must disclose any relationship to any member of the Council or holder of any senior office under the Council.

G. A. BLAKELEY,
Town Clerk.

Town Hall, Walthamstow, E.17.
25th March, 1949. 2199

METROPOLITAN BOROUGH OF PADDINGTON.
HOUSING DEPARTMENT.

Appointment of :—
(*a*) TWO ARCHITECTURAL ASSISTANTS.
(*b*) TWO JUNIOR ARCHITECTURAL ASSISTANTS.

Applications are invited for the above-mentioned appointments on the permanent establishment of the Housing Department :—

(*a*) ARCHITECTURAL ASSISTANT. Salary within Grades III-IV, A.P.T., Division (£450-£525 per annum), according to experience and qualifications, plus London "weighting" allowance.

Candidates must be suitably qualified, and should have had experience of multi-storey blocks of flats. Preference will be given to Associates of the R.I.B.A., or those in an advanced stage of preparation for the Final examination of that Institute.

(*b*) JUNIOR ARCHITECTURAL ASSISTANT. Salary within Grade I of the A.P.T. Division (£390-£435 per annum), according to experience and qualifications, plus London "weighting" allowance.

Applicants must have passed or be about to sit for the Intermediate examination of the Royal Institute of British Architects, be used to preparing working and detail drawings, and be good draughtsmen.

These appointments will be subject to one month's notice on either side, to the provisions of the Council's Superannuation Acts and Standing Orders, and to the National Joint Council's Scheme of Conditions of Service.

Forms of application are obtainable from the undersigned, and applicants should state clearly which form is required.

Applications for these appointments, stating age, qualifications, present and previous appointments, with salaries and experience, together with the names of three authorities or persons to whom reference may be made, should be delivered to the undersigned not later than noon on Tuesday, 19th April, 1949.

Canvassing, directly or indirectly, will disqualify.

W. H. BENTLEY,
Town Clerk.

Town Hall, Paddington, London, W.2.
24th March, 1949. 2198

SOUTH MANCHESTER HOSPITAL MANAGEMENT COMMITTEE.

Applications are invited for the post of CHIEF CLERK OF WORKS AND MAINTENANCE ENGINEER. Candidates should have a wide experience of building projects and be capable of preparing specifications, and will be required to supervise the maintenance of the structure and engineering services of the nine hospitals under the control of the Committee. The salary will be £800 per annum, rising by annual increments of £25 to £900 per annum. The appointment will be subject to the National Health Service (Superannuation) Regulations. Applications, stating age, experience and qualifications, together with the names and addresses of two persons to whom reference may be made, should be sent to the undersigned not later than 9th April, 1949.

A. H. KEATES,
Secretary to the Committee.

Christie Hospital and Holt Radium Institute, Manchester, 20. 2178

CITY OF LIVERPOOL.
CITY ENGINEER AND SURVEYOR'S DEPARTMENT.

Applications are invited for the under-mentioned position :—

ONE ARCHITECTURAL ASSISTANT. A.P.T., II, £420-£465 p.a.

Applicants should hold approved qualifications, and be conversant with work of a large Municipal Engineer's Office.

The appointment is superannuable and subject to the Standing Orders of the City Council, the successful candidate being required to pass a medical examination.

Applications on the prescribed form, which may be obtained from the City Engineer and Surveyor, Municipal Buildings, Liverpool, should be accompanied by copies of not more than three testimonials, and should be returned to him not later than the 9th April, 1949.

Canvassing disqualifies.

THOMAS ALKER,
Town Clerk.
2196

THE POLYTECHNIC, 309, REGENT STREET, W.1.
SCHOOL OF ARCHITECTURE, SURVEYING AND BUILDING.

Applications are invited for the post of SENIOR ASSISTANT IN ARCHITECTURE.

Candidates must possess a professional qualification in Architecture, and should have had both teaching and practical experience.

Salary scale commences at £700 per annum, rising by annual increments of £25 to a maximum of £800 per annum, plus London allowance and additional allowances for graduateship and training, subject to the usual deduction for superannuation.

Further particulars and form of application (to be returned within two weeks of the date on which this advertisement appears) may be obtained by sending a stamped addressed foolscap envelope to the undersigned.

J. C. JONES,
Director of Education.
2201

NORFOLK EDUCATION COMMITTEE.
APPOINTMENT OF SENIOR ASSISTANT ARCHITECT.

Applications are invited for the appointment of a Senior Assistant Architect (Section Head), Grade A.P.T., VII, £635-£710 per annum.

Applicants must be Associates of the Royal Institute of British Architects or possess a recognized equivalent qualification, and should have had considerable experience in the planning, design and construction of educational buildings and be used to supervising the work of other staff.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful applicant will be required to pass a medical examination.

Application forms may be obtained from the undersigned on receipt of a stamped addressed envelope, and should be returned not later than 14 days after the date of this advertisement.

The envelopes of all communications with regard to this appointment should be endorsed "Senior Assistant Architect."

W. O. BELL,
Chief Education Officer.

County Education Office,
Stracey Road, Norwich. 2210

COUNTY BOROUGH OF EAST HAM.
APPOINTMENT OF ASSISTANT PLANNING OFFICERS.

Applications are invited for the appointment of TWO ASSISTANT PLANNING OFFICERS, Grade A.P.T., III (salary £450-£495 per annum), plus London weighting, in the Town Planning Section of the Borough Engineer's Department.

Candidates must be competent draughtsmen and have general knowledge and experience of town planning work.

Housing accommodation is not provided, but the Council will be prepared to consider applications for subsistence allowances in appropriate cases from persons appointed who may be unable to obtain suitable accommodation.

Application forms obtainable from the undersigned must be returned not later than 16th April, 1949.

H. A. EDWARDS.
Town Clerk.

Town Hall, East Ham, E.6. 2237

METROPOLITAN BOROUGH OF HAMPSTEAD.
ARCHITECTURAL ASSISTANT (TEMPORARY).

Applications are invited for the appointment of an Architectural Assistant on the Temporary Staff of the Housing Architect's Section of the Borough Engineer and Surveyor's Department, at a salary in accordance with Grade IV. of A.P.T. Division, National Scales of Salaries, £480 to £525 per annum, plus £30 London weighting. Age limit : 45 years of age on the 1st January, 1949.

Applicants should have passed the Intermediate examination of the Royal Institute of British Architects, or have made marked progress towards obtaining a professional qualification, and should have had experience in general Architectural work, including housing.

Applications, stating (*a*) age, (*b*) examination qualifications, (*c*) present and past appointments with dates and salaries, (*d*) detailed particulars of experience, and accompanied by copies of three recent testimonials, must be delivered to me in a sealed envelope endorsed "Architectural Assistant," not later than 12 noon on Tuesday, 19th April, 1949.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937.

The conditions of service are those in the National Scheme for Local Government Officers, and the appointment will be terminable by one calendar month's notice on either side.

Canvassing will disqualify.

F. H. HARROLD,
Town Clerk.

Town Hall, Haverstock Hill, N.W.3.
March, 1949. 2232

NORTH-WEST METROPOLITAN REGIONAL BOARD.
ARCHITECT'S DEPARTMENT.

Applications are invited for the following appointments in the Architect's Department :—

ARCHITECTURAL ASSISTANTS (7 posts). Grade A.P.T., II-V (£420-£570 p.a.), plus London weighting. Applicants must have good general experience of design and construction, and will be placed on the grade appropriate to their experience and qualifications.

Appointments will be subject to the provisions of the National Health Service (Superannuation) Regulations, 1947/48, and will be terminable by one month's notice. Successful applicants will be required to pass a medical examination.

Applications, giving age, details of experience, together with the names of two referees, should be addressed to the Secretary, North-West Metropolitan Regional Hospital Board, 11a, Portland Place, W.1, not later than 15th April, 1949. 2202

NATIONAL COAL BOARD—WEST MIDLANDS DIVISION.

Applications are invited for the appointments of ARCHITECTURAL ASSISTANTS, Grade I, in the Board's Architectural Service, with headquarters at Himley Hall, near Dudley, Worcs.

Salary £410× £20—£550, according to qualifications and experience.

Applicants should be able to prepare sketch plans and working drawings from rough sketches and have a good knowledge of construction. Preference will be given to applicants who have passed the Intermediate examination of the R.I.B.A.

Posts are eligible for the Board's Superannuation Scheme.

Applications, giving age, education, qualifications and experience, with dates in chronological order, should be made as soon as possible to Establishment Officer, National Coal Board, West Midlands Division, Himley Hall, Dudley, Worcs. Envelope should be marked "A.S.I." 2190

LONDON COUNTY COUNCIL.

Required at Hammersmith School of Building and Arts and Crafts, Lime Grove, W.12, to commence as soon as possible in the Senior Building School : (*a*) A SENIOR ASSISTANT TEACHER, to be responsible to the head of department for the building and quantity surveying section, preparing students for R.I.C.S. examinations; applicants should be Corporate Members of the R.I.C.S. with practical experience—some teaching experience desirable. Burnham scale salary, £700× £25—£800, plus London allowance of £36 or £48, and where applicable additions for qualifications and training. Also (*b*) a LECTURER IN BUILDING CONSTRUCTION and allied subjects; applicants should hold A.R.I.B.A. or similar qualification, and have practical experience—some teaching experience an added qualification. (*c*) A STUDIO MASTER in Architecture for the R.I.B.A. Inter. and Final examinations; applicants should hold A.R.I.B.A. and trained at a recognized school of architecture, and (*d*) a LECTURER on general Building Subjects, including Building Construction and Geometry, holding the City and Guilds Full Technological certificate in brickwork—some teaching experience desirable and L.I.O.B. would be an added qualification. Burham scale salary, £300× £15—£555, plus London allowance and, where applicable, additions for graduate or equivalent professional qualifications and training, with initial increments for approved industrial experience after the age of 21, up to a maximum of 12 years and within the scale for previous teaching experience. Application forms and further particulars (stamped addressed foolscap envelope necessary) from the Secretary at the School, returnable (indicating clearly the post for which application is made) by 30th April, 1949. (225) 2265

WOLVERHAMPTON AND STAFFORDSHIRE TECHNICAL COLLEGE.

Principal: W. E. FIGGIS, O.B.E., D.Sc.

SENIOR ASSISTANT required in Building Department to develop Building Science and the application of modern materials and techniques in Building. Applicants should have suitable technical qualification (*e.g.*, a degree in Civil Engineering), combined with recent practical experience in the building industry or in research. Duties to commence 1st September, 1949. Salary scale £700 × £25 to £800, with additions for recognized training, and degree. Further particulars from

F. LONSDALE MILLS,
Clerk to the Governors.

Education Offices, North Street,
Wolverhampton. 2263

THE UNITED CARDIFF HOSPITALS.
THE CARDIFF ROYAL INFIRMARY.
NEW MATERNITY BLOCK.

Applications are invited for the post of CLERK OF WORKS for the building of the new Maternity Block in Glossop Terrace, Cardiff, under the direction of Sir Percy Thomas & Son, Architects. Applicants should have previous experience of large building contracts. Apply, stating age, craft and salary required, and enclosing copies of two recent testimonials from architects, to the undersigned, not later than Monday, 11th April.

ARNOLD TUNSTALL,
Secretary and Principal Administrative Officer 2264

CITY OF MANCHESTER.
HOUSING COMMITTEE.
APPOINTMENTS OF ARCHITECTS AND QUANTITY SURVEYORS.

Applications are invited from persons having the qualifications and experience for the following posts under the National Salary Scales :—

(1) ASSISTANT ARCHITECT. Grade A.P.T., VI (£595-£660 per annum).

(2) ASSISTANT ARCHITECTS. Grade A.P.T., V (£520-£570 per annum).

(3) ASSISTANT QUANTITY SURVEYORS. Grade A.P.T., V (£520-£570 per annum).

The successful applicants will be required to contribute to the Corporation's Superannuation Fund and, if under 30 years of age, to the Manchester Municipal Officers' Widows' and Orphans' Pension Fund, and to submit to a medical examination.

Canvassing in any form, oral or written, direct or indirect, is prohibited.

Applications, stating age and experience, together with copies of two testimonials, to be addressed to the Director of Housing, Town Hall, Manchester, 2, endorsed as to the post applied for, and to be received not later than Wednesday, 13th April, 1949.

PHILIP B. DINGLE,
Town Clerk.

March, 1949. 2262

BOROUGH OF JARROW.
BOROUGH ENGINEER'S DEPARTMENT.
APPOINTMENT OF ARCHITECTURAL ASSISTANTS (GRADES V AND IV).

Applications are invited for the following appointments :—

ONE ARCHITECTURAL ASSISTANT. A.P.T., V (£520-£570).

ONE ARCHITECTURAL ASSISTANT. A.P.T., IV (£480-£525).

Applicants must have an approved Architectural qualification and sound experience, particularly in Housing.

The Council is prepared, if a successful applicant requires it, to let him have the tenancy of one of the Council's houses.

Successful applicants will be required to pass a medical examination. Applications in plain envelopes, endorsed "Architectural Assistants, V or IV," stating age, present and previous appointments, and experience, together with the names and addresses of three persons to whom reference as to ability and character can be made, to be received by the undersigned on or before 22nd April, 1949.

Canvassing, directly or indirectly, will disqualify, and applicants must state whether or not they are related to any member of, or the holder of any senior office, under the Council.

CHARLES S. PERKINS,
Town Clerk.

Town Hall, Jarrow, Co. Durham.
21st March, 1949. 2254

Amended Notice.

SOUTHERN ELECTRICITY BOARD, No. 1 (SOUTHALL) SUB-AREA.
APPOINTMENT OF QUANTITY SURVEYOR.

Applications are invited for the position of Quantity Surveyor at Sub-Area Engineering Headquarters at Waterloo Road, Uxbridge.

The commencing salary, which is provisional and subject to adjustment by the appropriate negotiating machinery, will lie within the range £500-£700 per annum, at a point dependent upon qualifications and experience.

Candidates must be fully experienced in the writing of specifications, the working up and preparation of Bills of Quantities for Industrial type buildings, Showrooms and Offices, and be capable of settling Contractors' accounts and preparing preliminary estimates for projected schemes.

Applications, on the prescribed form obtainable from the Administrative Officer, Southern Electricity Board, 2/6, Windmill Lane, Southall, should be sent so as to reach there not later than 7 days after publication of this notice.

F. W. KEMPTON,
Secretary.

2261

COUNTY BOROUGH OF DERBY.
APPOINTMENT OF STAFF.

(*a*) ONE GENERAL TOWN PLANNING ASSISTANT. Grade VI (£595-£660).

(*b*) ONE DRAUGHTSMAN. Grade III (£450-£495).

Applications are invited for the above appointments on the staff of the Borough Engineer and Surveyor.

Applicants for position :—

(*a*) Should possess appropriate qualifications and should be experienced in Urban Planning.

(*b*) Should be neat and expeditious draughtsmen and tracers and must have had previous experience in this class of work, preferably with a Local Authority.

The appointments will be subject to the National Scheme of Conditions of Service, to the provisions of the Local Government Superannuation Act, 1937, and the successful candidates will be required to pass a medical examination.

The appointments will be terminable by one month's notice on either side.

Applications, stating which post is applied for, age, qualifications, experience and accompanied by copies of three recent testimonials, or names of two persons to whom reference may be made, should be addressed to M. L. Francis, F.R.I.C.S., M.I.Mun.E., Borough Engineer and Surveyor, The Council House, Derby, appropriately endorsed, to be received not later than 18th April, 1949.

Canvassing directly or indirectly will be a disqualification, and candidates should state whether they are related to any member or senior official of the Council.

E. H. NICHOLS,
Town Clerk.

The Council House, Derby.
March, 1949. 2252

Tenders for Contracts

6 lines or under, 10s.; each additional line, 1s. 6d.

BOROUGH OF ROMFORD.

The Council propose to undertake the erection of 112 permanent Two-storey Flats on the Gobions Estate, Chase Cross Road, Romford, and invite the submission of names and addresses of persons or firms wishing to tender, which should be sent to Messrs. A. S. Wilson & Partners, Chartered Surveyors, 8, Princes Street, Storey's Gate, Westminster, S.W.1.

The Flats will be divided into three groups, comprising 36, 32 and 44 Flats respectively, and tenders may be submitted for one or more groups.

Bills of Quantities and Specifications will be despatched to intending tenderers on 19th April, 1949, and applications for same must be made on or before 13th April, 1949, when the latest date for receipt of completed tenders will be notified.

A deposit of £3 3s. is required and will be refunded upon receipt of a *bona fide* tender. Copies of all documents, drawings, and Form of Contract can be seen at the office of the Borough Engineer and Surveyor, Town Hall, Romford, or at the office of the Quantity Surveyors.

The acceptance of any tender by the Council is subject to the approval of the Minister of Health, and the Council do not bind themselves to accept the lowest or any tender and reserve the right to accept a tender for one or more groups.

J. TWINN,
Town Clerk.

Town Hall, Romford.
21st March, 1949. 2221

Architectural Appointments Vacant

4 lines or under, 5s.; each additional line, 1s. 6d

ASSISTANT for E. Midlands office. Good draughtsmanship and practical experience of domestic work, alterations, maintenance, and quantities desirable. Box 1945.

ARCHITECTURAL ASSISTANT, qualified by examination or experience, required for varied rural housing and commercial practice. Salary up to £400 per annum. Write, with full details, to D. C. Denton-Smith, L.R.I.B.A., Chartered Architect, 40, Regent Street, Cambridge. 2059

EXPERIENCED ARCHITECTURAL ASSISTANT required, preferably with knowledge of commercial buildings. Salary £400/£500, according to ability. Box 2039.

ARCHITECTURAL ASSISTANT required immediately for S.E. Kent. Capable of preparing working drawings and specifications and supervising building work. Salary approximately £450, according to qualifications. Particulars to Box 2038.

ASSISTANT required in Maidenhead Architect's office principally for preparation of specifications, schedules, surveys and work in connection with management of contracts. Apply with particulars of experience and salary required to Box 2016.

ARCHITECTURAL ASSISTANT and/or Draughtsman required in Maidenhead office. Good prospects in busy practice for keen men. Details of experience and salary required to Box 2017.

ARCHITECTURAL ASSISTANTS required in West Country office. Intermediate Standard. General practice, including farms, factories, domestic work, etc. Ability to drive car an advantage. Interesting work and progressive appointment. Full particulars of experience training, salary, etc., to Box 2066.

SENIOR ARCHITECTURAL ASSISTANT, qualified, with extensive experience of preparing working drawings, required for work in connection with large housing, cinema and office schemes in private office, London; West Central area; age 30/35; salary up to £750. Write Box 2085.

QUALIFIED or fully experienced ASSISTANT required for permanent position in company Architects' office in the Midlands. Applicants are requested to give full particulars of training, age and salary required, to Box 1913.

ARCHITECTURAL ASSISTANT required, R.I.B.A. Intermediate standard; experience in catering premises an advantage; permanent position; pension scheme. Reply, giving age, experience, and salary required, to Box FT.375, Everetts Advertising, Ltd., 10, Hertford Street, W.1. 2107

REQUIRED at Company's Head Office, Guildford, TWO ARCHITECTURAL ASSISTANTS, one to be A.R.I.B.A., and one to have reached R.I.B.A. Intermediate standard; five-day week; salary by arrangement. Box 2118.

ARCHITECTURAL ASSISTANTS required (Intermediate standard) in West End offices of Chartered Architects; good salary and prospects of early promotion to position of responsibility for suitable men. Reply, stating age, experience, etc., to Box 2119.

ARCHITECTURAL ASSISTANTS (TWO) required immediately; R.I.B.A. Intermediate standard or better; with office experience preferred; salary £350-£400, according to experience. Ruddle & Wilkinson, F./L.R.I.B.A., Long Causeway Chambers, Peterborough. Telephone 2166. 2139

ARCHITECTURAL ASSISTANT required immediately for office, West Riding of Yorkshire; must be experienced in working drawings, details, levelling, etc.; knowledge of quantities an advantage. Write, giving experience and salary required, Box 2157.

SENIOR ARCHITECTURAL ASSISTANT required for permanent staff at good salary; applicants should be top grade men, with at least 8 years' drawing office experience, preferably on industrial or hospital work; accustomed to responsibility and ambitious; this is a post with prospects, which will attract the best assistants. Apply by letter, giving experience and all usual particulars, to Harry S. Fairhurst & Son, F.R.I.B.A., Chancery Chambers, 55, Brown Street, Manchester, 2. 2165

ASSISTANT ARCHITECT required in London office of Oil Company operating in the Persian Gulf; should be prepared for possibility of short tour of company's site; applicants must be A.R.I.B.A. and have actual office experience in the design and supervision of public buildings, housing schemes, etc.; age 28 to 37; salary according to age and experience. Write, giving details age, experience, etc., and quoting LO125, to Box "K.L." c/o J. W. Vickers & Co., Ltd., 7/8, Great Winchester Street, E.C.2. 2169

SENIOR ARCHITECTURAL ASSISTANT required for London office of large Property Owning Company; experience in design, detailing and specification for domestic premises essential. Write, stating age, experience, and salary required, Box 2231.

THE Architectural Section, The Estate Department, The Prudential Assurance Co., Ltd., 142, Holborn Bars, E.C.1, has a vacancy for an A.R.I.B.A. in a position of responsibility offering scope for advancement; applicant must have had good experience in design and practical experience for some years and also administrative ability; a sound knowledge of London building practice is essential; age 35/40; progressive salary, according to age and date of qualification, *e.g.*, qualification at age 25 now aged 35; salary £850 p.a. and, subject to satisfactory and normal progress salary at age 40 £1,000 p.a.; excellent opportunity for promotion to higher grades; pension scheme. Application should be made in writing, giving full particulars, to G. A. Coombe, F.R.I.C.S., L.R.I.B.A., Chief Surveyor, and will be treated confidentially if marked "personal." 2234

ASSISTANTS required immediately; good sense of design and some experience; work London or Brighton; high salary scale, graded according to qualifications and experience, with annual increments; interesting work, comprising theatres, stores, housing, factories, prefabricated structures. Joseph Emberton, F.R.I.B.A., 121, Chiltern Court, Baker Street, N.W.1. Telephone : WELbeck 3565. 2236

ARCHITECTURAL SENIOR ASSISTANT required for South-West London office; extensive factory practice; must be fully able and prepared to carry out design and work on own initiative. George Watt, A.R.I.B.A., 83, London Road, Morden. Mitcham 4807. 2213

ARCHITECTURAL JUNIOR ASSISTANT required for South-West London office; interesting and varied work; Inter. R.I.B.A. standard. George Watt, A.R.I.B.A., 83, London Road, Morden. Mitcham 4807. 2214

JUNIOR ARCHITECTURAL ASSISTANT (Male or Female) required for work in connection with prefabricated buildings; knowledge of preparation of Bills of Quantities an advantage, but not essential; salary according to age and experience. Box 2216.

SENIOR and JUNIOR ARCHITECTURAL ASSISTANTS required for busy country office; progressive posts for men with an interest in agricultural buildings and domestic work; Senior Assistant should be proficient in working drawings and supervision of works; ability to drive car an advantage. Smith-Woolley & Co., Collingham, Newark, Notts. 2217

SENIOR and JUNIOR ARCHITECTURAL ASSISTANTS required for busy General Practice in Manchester; salary for Senior Assistants £600-£700 and Junior Assistants £350-£450, according to experience. Box 2224.

EXPERIENCED ASSISTANT wanted for small office doing mostly shops, houses and exhibition work; interest in contemporary design essential; £500-£600 p.a., according to experience and ability. Apply to Brian Peake, F.R.I.B.A., 13, Dover Street, W.1. Regent 4914. 2223

EXPERIENCED ARCHITECTURAL ASSISTANT wanted for London office. Particulars salary, etc., to Edwin M. Lawson, A.R.I.B.A., Barras Buildings, Barras Bridge, Newcastle-on-Tyne. 2175

ASSISTANT required in small office, Chancery Lane; modern schooling and neat draughtsman essential; fully capable of detailing Housing work, Conversions, and Factory work; experienced in supervision of works, Specifications, etc.; preferably A.R.I.B.A. or equivalent standard; salary £10-£12 per week. Box 2179.

EXPERIENCED SENIOR and JUNIOR ASSISTANTS required for busy South Wales offices at Cardiff and Swansea, dealing with University, Public Building, Hospital, Industrial work, etc. Apply, giving full particulars of experience, etc., to Sir Percy Thomas & Son, 10, Cathedral Road, Cardiff. 2181

ARCHITECTS require JUNIOR and SENIOR ASSISTANTS. Write H. Jackson and R. Edmonds, FF.R.I.B.A., 65, New Street, Birmingham, 2, stating qualifications, experience and salary. 2185

EXPERIENCED ARCHITECTURAL ASSISTANT required for busy office; capable of taking charge of jobs; salary equivalent A.P.T. scale. Apply Geo. H. Gray, F.R.I.B.A., 52, Camden Street, North Shields. 2186

SENIOR and JUNIOR ARCHITECTURAL ASSISTANTS required for War Damage Reconstruction work, Warehouses, Factories, Offices, etc. Kindly write, stating age, previous experience, and salary required. A. Neville Holt, F.R.I.B.A., 20, Exchange Street East, Liverpool, 2. 2187

ASSISTANT ARCHITECTS (one Senior and one Junior) required in busy City Architect's office; experience in industrial work is desirable; five-day week.—'Phone CENtral 6683 or send full particulars to Box 2239.

ARCHITECTURAL ASSISTANT required, with general experience in the preparation of working drawings, details, site supervision and surveys. Applications, stating age experience, salary, and when at liberty. Box 2240.

ARCHITECT.—Principal Assistant required, West Riding, Yorkshire; must be first-class, with wide experience; age 35-45 preferred; only those with real ability considered; salary £800 per year upwards, plus accommodation. Also required in same establishment SURVEYOR, specialising in Quantities; requirements as above; salary £750 upwards, plus accommodation. Box 2243.

SENIOR and JUNIOR ARCHITECTURAL ASSISTANTS required in West Country office; general practice, including farms, factories, domestic work, etc.; ability to drive car an advantage; interesting work and progressive appointment. Full particulars of experience, training, salary, etc., to R. W. H. Vallis F.R.I.B.A., 6, North Parade, Frome, Somerset. 2244

ARCHITECTURAL ASSISTANTS required, one about Intermediate standard and one about Final standard; busy practice; contemporary outlook; five-day week; salary by arrangement; South-West London. Box 2248.

ASSISTANT required immediately, minimum standard Inter R.I.B.A., for office in Baker Street district; salary according to experience. Reply with full details to Box 2247.

ARCHITECTURAL ASSISTANTS required at main office, Hammersmith; housing and general design for work in England and abroad; particular opening for men interested in shuttering design; five-day week. Apply, giving details of experience and salary required, to George Wimpey & Co., Ltd., Hammersmith Grove, W.6. 2188

ARCHITECTURAL DRAUGHTSMEN required immediately for two years' work on large and interesting Industrial Scheme, with possibility of further extension; vacancies in London office, and site office in Chester area; applicants are asked to give details of experience, age, and state salary required. Box 2189.

ARCHITECTURAL DRAUGHTSMAN required for large Industrial and Commercial Company in London; should be able to make site surveys, prepare working and detail drawings and specifications; please state age, experience, and salary required. Box 2209.

WANTED.—SENIOR ASSISTANT ARCHITECT (preferably A.R.I.B.A.) for busy Central London office; first-class, rapid and accurate draughtsman; used to large industrial schemes now in hand; commencing salary £900-£1,000 per annum, according to experience. Write Box 2204.

QUALIFIED ARCHITECTURAL ASSISTANTS required as soon as possible for interesting and varied work, schools, hospitals, University buildings, housing, etc.; must be good designers, with practical experience. Apply personally by telephone or in writing. Salary by arrangement. Pite Son & Fairweather, Chartered Architects, 6, Queen Anne's Gate, Westminster, S.W.1. Telephone: Whitehall 5576. 2205

WANTED.—Keen ASSISTANT, of R.I.B.A. Inter standard, on Houses, Flats and Schools; nature of previous experience unimportant, but sane architectural outlook essential; £400 to £500 p.a., according to experience, plus bonus. Culpin & Son, 3, Southampton Place, W.C.1. HOLborn 0163. 2212

MISHA BLACK requires SENIOR and JUNIOR ASSISTANTS. Salary £300-£850 per annum for variety of work, including 1951 Exhibitions. Apply in writing only. Misha Black, Design Research Unit, 37, Park Street, W.1. 2250

ARCHITECTURAL ASSISTANTS required with experience in general and commercial work. Senior and Junior positions open. Good salaries. Lewis Solomon & Son, 21, Bloomsbury Way, W.C.1. 2259

Architectural Appointments Wanted

WOMAN ARCHITECT, A.R.I.B.A., University Graduate, age 27, seeks responsible position in small progressive office in Central or South-East London; good general experience; excellent references. Box 266.

ARCHITECTURAL ASSISTANT (29), married, 10 years' varied experience, and owning small car for office use, seeks position; preferably in a country town Architect's office, and where suitable living accommodation can be offered; salary £450 p.a. Box 267.

JUNIOR ASSISTANT (23), 4th year evening student, requires post in Architect's office in London area; capable of working drawings, details, etc. Box 268.

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A R.I.B.A., trained at A.A., wants job as general assistant in small office in Southern England, Winchester, Chichester, Salisbury preferred, but not essential. All branches of work enjoyed. Miss S. Maltby, Rotherwick, nr. Basingstoke. 269

CHARTERED ARCHITECT seeks responsible post; London area. Min. sal. £700 p.a. Box 271.

ARCHITECTURAL DRAUGHTSMAN (31) desires post any district with view to permanency (not London area). Intermediate standard; 11 years' varied experience (excluding war service). Private practice and Local Authority. Good draughtsman. Working drawings, details, surveying, levelling, supervision of work. Box 270

Other Appointments Vacant

4 lines or under, 6s.; each additional line, 1s. 6d.

DESIGNER-DRAUGHTSMEN required. Five-day week. Superannuation scheme. Apply stating age, experience and salary required, Courtney Pope, Ltd., Storefitters, Tottenham, N.15. 2040

ARCHITECTURAL METALWORK REPRESENTATIVE required with a connection amongst Architects and Architectural experience. Apply by letter in first instance to Morris-Singer Company, Ferry Lane Works, Forest Road, Walthamstow, E.17, stating age, experience and salary required. 2062

SHOPFITTING DRAUGHTSMAN with practical experience required; permanent position; pension scheme. Write full details of age, experience, and salary required, to Box F.T.376, Everetts Advertising, Ltd., 10, Hertford Street, W.1. 2106

REQUIRED as SERVICE INSPECTOR an active Structural or Civil Engineer, who has had considerable experience in responsible supervising capacity in the erection of Reinforced Concrete Structures, preferably with some design experience; will be required to travel extensively in the British Isles, but must live in the London area; attributes required are agreeable personality, sound judgment on erection problems, and able to write concise factual reports. Write, giving full details and salary required, to Box A.J.222, at 191, Gresham House, E.C.2. 2125

QUANTITY SURVEYOR, qualified or experienced, capable preparing Bills of Quantities, Specifications, Estimates, Settlement of Accounts, etc., required for Commercial, Factory and General Work; permanent post, with superannuation scheme available. Apply, with particulars and salary required, to Architect, Co-operative Wholesale Society, Ltd., 99, Westmorland Road, Newcastle-on-Tyne. 2192

AGENTS are required in the following areas, Lancashire, Cheshire and West Riding, to represent the Morris Singer Co., who manufacture such products as Architectural Metalwork, Metal Windows, Pressed Steel Door Frames and Louvres. Those interested should write to Morris Singer Co., Ferry Lane, Walthamstow, London, E.17. 2229

ASSISTANT WORKS MANAGER required by Plymouth Co-operative Society, Ltd. Applicants should preferably be not more than 35 years of age and be Registered Architects or Surveyors; membership of the R.I.B.A. would be an advantage; experienced in the preparation of surveys, valuations, estimates, quantities, sketch plans, working drawings, in connection with industrial buildings and shops, able to supervise work in progress, prepare reports and control labour; superannuation scheme available. Apply, stating age, experience, and salary required, to General Secretary, 49/50, Thorn Park, Plymouth, not later than 16th April, 1949. 2183

OLD-ESTABLISHED Firm, Croydon, Surrey, have vacancy in May for SECRETARY SHORTHAND TYPIST to Architect with busy drawing office; quick accurate worker; previous technical experience builders' accounts, contracts, etc., essential; nearby residence desirable; permanent good post, with initiative and responsibility; salary according to merit; write previous experience and essential details; F.R.I.C.S. Box 2215.

YOUNG Man, with some experience of a drawing office, preferably shop fitting work, required; age approximately 20-22, and should have completed National Service or be exempt; pay according to age and experience. Write Box A.J.47, L.P.E., 110, St. Martin's Lane, W.C.2. 2196

STOREFITTING DRAUGHTSMEN required; experienced shopfront and interior design and lay-out, coloured perspectives, etc. Knowledge building construction an advantage. Also experienced ESTIMATOR. Pension scheme, good prospects. Full details and salary required to Parnall & Sons Limited, Box 23, Lodge Causeway, Fishponds, Bristol. 2258

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WEST OF ENGLAND ARCHITECTS.—Retired Quantity Surveyor (used to very large Government contracts) offers assistance in the Checking of Contractor's Final Accounts. Box 2147.

STUDENT of Intermediate standard, with 3 years' office experience, seeks spare-time work; tracing, etc. Box 2226.

EXPERIENCED TYPISTS, with own machines, now able to undertake typing of Reports, Specifications, Bills of Quantity, etc.; Birmingham area. Write D. Blackwell, 28, Heathfield Road, Handsworth, 19. 2227

BUILDING SURVEYOR, recently recovered from serious illness, requires part-time work; surveys, specifications, war damage claims, dilapidations, etc. Box 2206.

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Miscellaneous

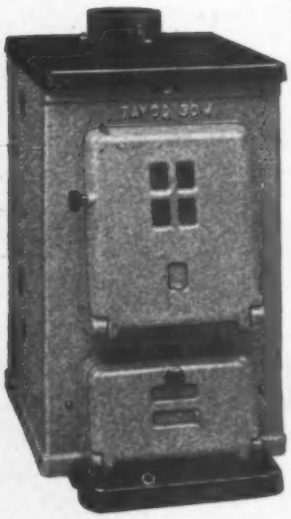
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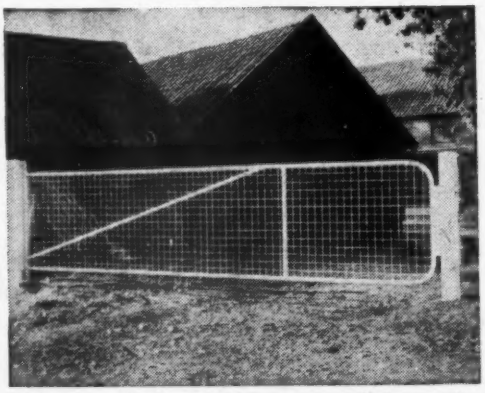
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R.I.B.A. AND T.P.I. EXAMINATIONS.—Mr. L. Stuart Stanley, M.A., F.R.I.B.A., Dist.T.P., M.T.P.I. Tutor in the Bartlett School of Architecture, London University, prepares candidates by correspondence tuition. 15, North Road, N.6 Tel.: MOUntview 8104.

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Although these are not established posts some of them have long-term possibilities and competitions are held periodically to fill established vacancies.

APPLY in writing, stating age, nationality, full details of experience, and locality preferred, to Chief Architect, W.G.10/T, Ministry of Works, Abell House, London, S.W.1.

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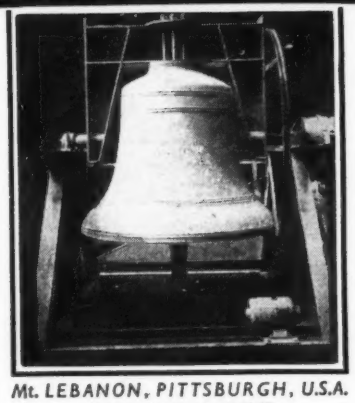
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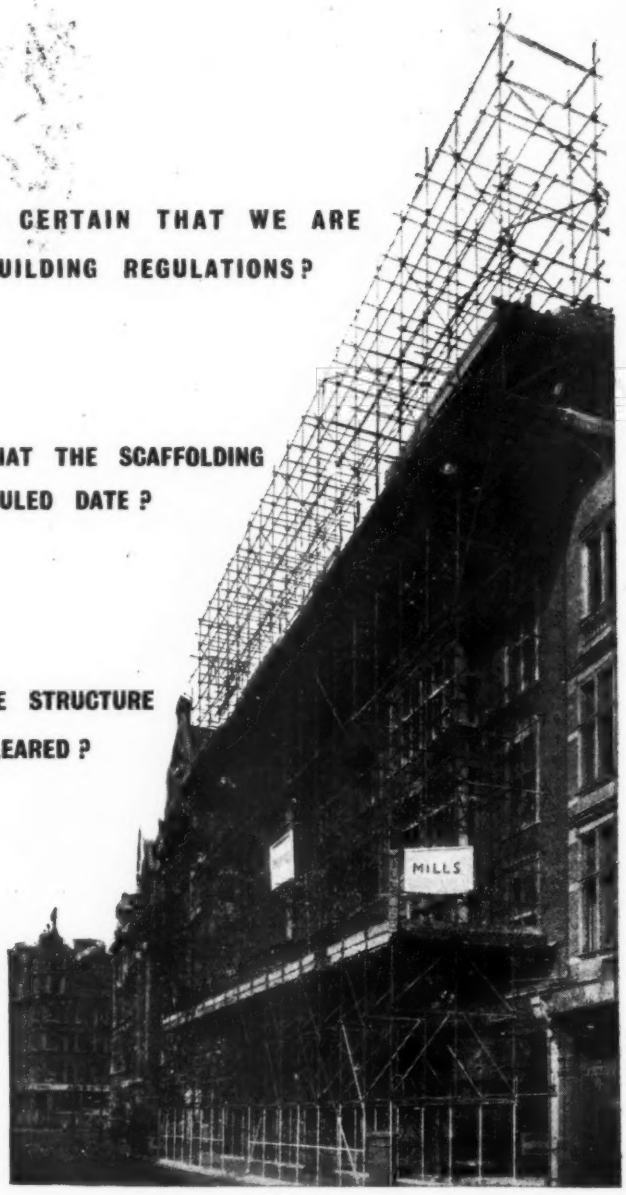
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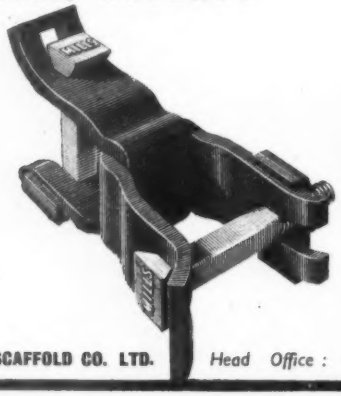
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Printed in Great Britain for the Proprietors of "THE ARCHITECTS' JOURNAL" (The Architectural Press, Ltd.), 9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1, by HARRISON & SONS LTD., Printers to His Majesty The King, London, Hayes (Middx.), and High Wycombe.